PUBLIC WORKS, IRELAND.

FORTY-FOURTH ANNUAL REPORT

FROM THE

COMMISSIONERS OF PUBLIC WORKS

IN

IRELAND:

WITH

APPENDICES,

FOR THE YEAR 1875-76.

Presented to both Houses of Parliament by Command of Her Majesty.

DUBLIN:
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PUBLIC WORKS, IRELAND.

FORTY-FOURTH ANNUAL REPORT

OF THE

COMMISSIONERS OF PUBLIC WORKS IN IRELAND,

FOR THE YEAR 1875–76.

TO THE LORDS COMMISSIONERS OF HER MAJESTY'S TREASURY.

MAY IT PLEASE YOUR LORDSHIPS,

WE have the honour to submit our Forty-fourth Annual Report on the several services intrusted to our management, viz. :—

Loans for Public Works, Public Health, Irish Reproductive Loan Fund, Advances and Repayments.

Public Buildings, viz. :—
- Dublin Buildings, including Viceregal Residences and Establishments in Dublin Castle and the Phœnix Park, the Courts of Law, Public Offices, Government Prisons, Constabulary Depôt, General Post Office, Metropolitan Police Stations of the Dublin District, the Royal Hospital, Kilmainham, the Royal Hibernian Military School, the Royal Dublin Society and Glasnevin Gardens, the Royal Irish Academy, the National Gallery of Ireland, the Royal College of Science.
- Phœnix Park.
- Constabulary Buildings throughout Ireland.
- Coast-Guard Stations do.
- Customs Buildings do.
- Inland Revenue Buildings do.
- Post Offices and Telegraph do.
- Queen's Colleges, at Cork, Belfast, and Galway.
- National Education Buildings.
- Supply of Fuel and Light to all Public Offices in Ireland.
- Labouring Classes' Dwellings and Lodging Houses.
- Glebe Loans.

Harbours.

Arterial Drainage, with Improvement of Navigation and Water-power, 5 & 6 Vic., c. 89, &c.

Drainage and Improvement of Lands Act, 1863, 26 & 27 Vic., c. 88, &c.

Drainage Maintenance Act, 29 & 30 Vic., c. 49.

Landed Property Improvement, including—
- Drainage of Lands, &c.
- Erection of Farm Houses and Farm Buildings.
  - Do. Scutch Mills.
  - Do. Labourers' Dwellings.
- Loans for Planting Trees for Shelter.

Landlord and Tenant Act, 1870 (33 & 34 Vic., c. 46).

Limited Owners' Residences Acts.

Fishery Piers and Harbours.

Inland Navigations.

Post Roads.

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LOANS FOR

THE following is an Abstract of the several Loan Funds which have from time to time been authorized, and Interest, and the Amounts remitted, to the 31st March,

AMOUNTS AUTHORIZED BY PARLIAMENT.	£	s.	d.	£	s.	d.	For what purpose issued.	Advances During the year to 31st March, 1876. £	s.	d.
(1.) PUBLIC WORKS LOAN FUND.										
Act 1 & 2 Wm. IV., c. 33,	744,650	0	0							
Act 6 & 7 Wm. IV., c. 108,	100,000	0	0							
Act 1 & 2 Vic., c. 88,	46,000	0	0				Public Works,	144,764	4	10
Act 9 & 10 Vic., c. 108,	145,000	0	0							
Act 10 & 11 Vic., c. 106,	370,000	0	0							
Act 12 Vic., c. 23,	200,000	0	0							
Act 11 & 12 Vic., c. 51,	138,648	15	7	4,494,298	15	7	Relief Works, 9 Vic., c. 1,	–		
Act 13 & 14 Vic., c. 31,	800,000	0	0							
Accrued under provisions of Act 6 & 7 Vic., c. 44, continued by various Acts to 29 & 30 Vic., c. 73, charging the Consolidated Fund with £60,000 per annum,	1,950,000	0	0				Arterial Drainage,	26,036	0	8
(2.) EMPLOYMENT OF LABOURING POOR.										
Act 9 & 10 Vic., c. 107,	—			4,797,648	12	1	Relief Works,	–		
(3.) SHANNON NAVIGATION.										
Act 2 & 3 Vic., c. 61,	—			294,090	0	0	Shannon Navigation,	–		
(4.) LAND IMPROVEMENT.										
Act 10 Vic., c. 32,	1,500,000	0	0							
Act 12 Vic., c. 23,	300,000	0	0	3,000,000	0	0	Drainage, Farm Buildings, Labourers' Dwellings, Planting for Shelter, &c.,	98,730	0	0
Act 13 & 14 Vic., c. 31,	200,000	0	0							
Act 29 & 30 Vic., c. 40,	1,000,000	0	0							
(5.) LAND ACT.										
Act 33 & 34 Vic., c. 46,	—			1,000,000	0	0	For Purchase by Tenants of their Farms.	43,402	0	0
Total,	—			13,586,037	7	8		312,932	5	6

Loans.

LOANS.

The foregoing abstract gives the results of all Loan transactions, under their several classes, which have been intrusted to the Board's management from the commencement of its operations in October, 1831, to 31st March, 1876.

More detailed statements of some of these will be found, for Public Works Loans, including Arterial Drainage, at pp. 43 to 51; for Land Improvement Loans at pp. 18 and 19, and 58 to 66; and for the Loans under the Land Act at pp. 20 and 21.

The operations under the other two classes have been practically brought to a close.

Applications received from 1st April, 1875, to 31st March, 1876, inclusive:—

Public Health (Ireland) Act, 1874, 37 & 38 *Vic.*, c. 93, s. 43.

		£	
Board of Guardians, Loughrea Union, to sink a Well in Town of Athenry,		200	Sanctioned.
Do.	Macroom Union, for Water Supply to Macroom,	4,000	
Do.	Rathdown Union, for Water Supply to Greystones,	1,200	
Do.	Rathdown Union, for Water Supply to Cabinteely,	700	
Do.	Rathdown Union, for Water Supply to Killiney and Ballybrack,	3,000	
Do.	Cookstown Union, Cookstown Sewerage,	4,000	
Do.	Letterkenny Union, additional Loan for completion of Waterworks in Town of Letterkenny,	600	
Do.	Downpatrick Union, Main Drainage of Killough,	400	
Do.	Downpatrick Union, Main Drainage of Castlewellan,	205	
Do.	Ballina Union, Sewerage Works for Town of Ballina,	2,200	
Do.	Skibbereen Union, Sewerage Works in Town of Skibbereen,	400	
Town Commissioners, Rathmines and Rathgar, Water Supply,		2,000	
Do.	Kingstown, Water Supply,	1,300	
Do.	Kingstown, Sewerage Works,	10,000	
Corporation of Limerick, Sewerage Works,		2,600	

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PUBLIC WORKS.

showing the amounts issued and Repaid within the year, the total Advances and Repayments of Principal 1876; and the Balances of Principal outstanding at that date.

Repayments, including Interest. During the year to 31st March, 1876.	Total Advances.	Total Repayments. Principal.	Total Repayments. Interest.	Remissions.	Balances of Principal Outstanding.
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
21,624 7 7	1,638,975 3 7	1,064,833 9 3	435,906 5 0	88,969 2 3	483,172 12 1
–	226,349 19 11	69,671 18 1	18,666 3 2	156,678 1 10	–
49,481 8 7	2,316,848 0 4	740,511 5 9	786,297 11 3	1,196,795 12 3	379,539 2 4
4 5 8	4,797,648 12 1	502,700 13 10	87,279 14 2	4,294,947 18 3	–
–	294,090 0 0	281,453 7 2	48,480 0 9	–	12,636 12 10
73,352 6 2	2,602,037 4 4	1,751,836 1 11	770,593 8 2	–	850,201 2 5
12,149 14 10	281,752 13 0	12,580 4 3	22,067 4 1	–	269,172 8 9
156,612 2 10	12,155,699 13 3	4,423,587 0 3	2,169,270 6 7	5,737,390 14 7	1,994,721 18 5

	£	
Corporation of Limerick, Sewerage Works,	2,658	Under consideration or not followed up.
Queenstown Town Commissioners, Sewerage Works,	1,121	
Pembroke Township Commissioners, Sewerage Works,	1,200	
Burial Grounds (Ireland) Act, 1856, 19 & 20 *Vic.*, *c.* 98.		
Board of Guardians, Ballinasloe Union, Fencing Burial Grounds,	300	Sanctioned.
Do. North Dublin Union, Gate-lodge and enclosing Kilbarrack Burial Ground,	900	
Acts 1 & 2 *Wm. IV.*, *c.* 33, *and* 32 & 33 *Vic.*, *c.* 74.		
Grand Jury of the County of Wexford, for widening Newtownbarry Bridge,	1,270	Sanctioned.
Railways Act, 1 & 2 *Wm. IV.*, *c.* 33.		
Waterford, Dungarvan, and Lismore, for Railway from the Town of Lismore to the City of Waterford,	93,333	Companies not yet in a position to exercise their borrowing powers.
Sligo, Leitrim, and Northern Counties Railway, joining the Midland Great Western Line near Ballisadare, and the Irish North-Western at Enniskillen,	100,000	
Ilen Valley—late Dunmanway and Skibbereen—from Dunmanway to Skibbereen,	40,000	Under consideration.
NOTE.—Of previous applications, that of the Waterford and Wexford Railway Company, for a Loan of £26,700, has been recommended to the Treasury for £25,000, on certain conditions, which are under consideration.		
Westport Harbour Commissioners, for Improvements in Harbour,	6,000	Under consideration.

Further applications not within the Board's powers of lending or not recommended :—

	£
Galway Town Commissioners, to Pay off Debt due to Galway Gas Light Company and for other purposes,	3,000
Armagh Town Commissioners, Purchase of Tolls and Water Debentures,	10,000
Naas Town Commissioners, Repairs to and fining down Rent of Town Hall,	600
Galway Harbour Commissioners, for Construction of Graving Dock,	11,000
Waterford Harbour Commissioners, Dry Dock,	40,000
Board of Guardians of South Dublin Union, to Pay Debt and reduce Interest on Loan for Water Supply to Terenure,	4,300

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Sanctions.

SANCTIONS.

During the past year Loans have been sanctioned by your Lordships out of the respective funds, and for the following objects, viz. :—

	£	
(1.) Public Works Loan Fund, 1 & 2 Wm. IV., c. 33, &c.—		
Counties,	18,110	
Local Boards for Improvements in Towns and Districts,	1,200	
Fishery Piers, &c.,	1,350	
Labourers' Dwellings in Towns,	24,242	
Glebe Loans,	44,031	
Public Health Act,	96,343	
River Drainage Maintenance,	1,950	
River Drainage Works by Local Boards,	48,300	
		235,526
(4.) Land Improvement Act, 10 Vic., c. 32.—		
For Thorough Drainage, Farm Buildings, Labourers' Dwellings, Fencing, Planting, &c.,		125,600
(5.) Land Act, 33 & 34 Vic., c. 46—		
For the Purchase by Tenants of their Farms,		88,700
Total Sanctions,		£449,826

The total Sanctions on all Services being £449,826 against £326,904 on the previous year.

Under the powers given to us by the "Public Health (Ireland) Act, 1874," we have continued to receive applications on the recommendation of the Local Government Board for Loans to be applied to sanitary improvements, viz., for the supply of water and for sewerage and drainage works within any constituted sanitary district. These loans may be repaid by half yearly instalments within any period under thirty years, at 3½ per cent. interest, if over thirty and not exceeding forty years 3¾ per cent. and for any period over forty and not exceeding fifty years at 4 per cent., according to the amount of the assessable value of the districts to be charged.

With the object of suiting the convenience of the localities, the repayments may either be made by equal instalments of principal and interest extending over the entire term, or by equal instalments of principal with consequent diminishing payments in respect of interest.

During the past year Loans have been made for the supply of water to 14 districts, amounting to £68,900, and to 7 districts for sewerage and drainage works to the extent of £27,443. The total sanctions under the Act being £96,343, compared with £54,200 for the previous year. The above figures include advances to the following important localities, viz. :—

	£
Newry Poor Law Guardians,	5,000
Dublin Corporation,	35,400
Galway Town Commissioners,	23,000
Belfast Corporation,	12,238

Several other cases remained under consideration, one of which, viz., a Loan of £10,000 for drainage works at Kingstown, has subsequently received your Lordships approval.

With regard to the Loan Services which have for many years been under our management, we are glad to observe that an increasing desire is shown by the public to take advantage of the powers conferred on us by the Act 29 & 30 Vic., c. 44, &c., to make advances for the purpose of erecting Labourers' Dwellings in towns. The repayment of these Loans may be extended over a period of forty years, during which time an annuity of £5 0*s.* 8*d.* per cent. discharges the debt including interest, at 4 per cent.

Since our last Report the following Loans received approval, viz. :—

	£
J. R. T. Mulholland, &c., Belfast,	7,502
W. H. Hill, Cork,	1,525
Harbour and Dock Warehouse Company, Cork,	3,480
The Earl of Enniskillen,	4,935
The Corporation of Waterford,	1,800
The Cork Improved Dwellings Company,	5,000
	£24,242

The Glebe Loan Acts of 1870 and 1871 which expired on the 31st August, 1875, have been extended for a further period of three years by the renewal Act of last session.

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The operations under these Acts continue to increase year by year, as the following abstract of amounts authorized to be advanced shows :—

	No.	Amounts. £
1871-2,	37	16,160
1872-3,	48	18,245
1873-4,	53	24,356
1874-5,	87	35,786
1875-6,	80	44,031
Total,	305	£138,578

Loans have been sanctioned for the Lough Oughter and Stoneyford Drainage Districts for £15,000 and £22,000 respectively, making, with supplemental Loans granted to other districts, a total allocation to drainage works during the year of £48,300 to be carried out by Local Boards in pursuance of the Act 26 & 27 Vic., cap. 88; a further sum of £1,950 having been applied to restore the works of certain Drainage Districts in consequence of the trustees having neglected to maintain them.

The other sanctions out of the Public Works Loan Fund during the year comprise the following special objects, made in pursuance of the Act 1 & 2 William IV., c. 33 :—

	£
Queen's County, for enlarging Court House at Maryborough,	2,000
Carlow County, improving Roads,	1,110
Sligo County, rebuilding Court House,	15,000
Bournapeaka Fishery Pier,	1,350
Ballinasloe Poor Law Union, for Burial-ground,	300
North Dublin Union, Kilbarrack Burial-ground,	900

The transactions under the Land Improvement Loans Service are referred to in detail in a subsequent part of this Report. The total advances now amount to £2,602,037, the Loans approved in the past year being £125,600, or £14,890 in excess of the previous one.

The sum of £88,700 has been allocated under the Land Act to assist tenant farmers to purchase their holdings, since our last Report, which is also in excess of the previous year's transactions when the sum was £54,288.

Since the passing of the Act in 1870, 456 tenants have purchased their farms, and have thus become proprietors to the extent of 29,967 acres, at a total cost of £476,002 including £281,752 advanced by us. The annual rent paid in respect of these holdings was £19,327, against which the annual rentcharge payable to the Government for thirty-five years will be £14,087.

ADVANCES AND REPAYMENTS.

The total Loan advances during the year amount to £312,952, against £285,437 of the previous year, and the repayments including interest to £156,612, against £141,495.

The following statement shows under general heads to what purposes the advances have been applied, and the sources from which the repayments have come, viz. :—

	Advances. £	Repayments. £
1. Public Works Loan Fund—		
Counties,	3,110	4,382
Local Boards, Towns, &c.,	300	1,001
Roads and Bridges,	—	400
Inland Navigation,	—	1,889
Railways,	4,700	2,885
Harbours, Docks, &c.,	1,500	4,138
Fishery Piers and Harbours,	1,322	991
Labourers' Dwellings in Towns,	—	595
Glebe Loans,	36,732	4,073
Public Health,	97,100	1,269
River Drainage, 5 & 6 Vic., c. 89,	—	36,923
Do. Maintenance,	1,686	1,595
Do. 26 & 27 Vic., c. 88,	24,350	10,964
	170,800	71,106
2. Employment of Labouring Poor,	—	4
4. Land Improvement,	98,730	73,352
5. Land Act,	43,402	12,150
	£312,932	£156,612

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The repayments received from so large a number of borrowers, comprising 5,700 charges payable by half-yearly instalments, continue with comparatively few exceptions to be made with punctuality. The Labourers' Dwellings and Public Health Loans, having 28 charges, the Glebe Loans 259, and the Land Act 456, again close the year without having a single instalment in arrear. The Land Improvement Service, with about 2,800 open accounts, shows only 17 proprietors in default; and the Arterial Drainage, 104 out of 2,144 proprietors making repayments. By their default this last class incur a penalty of 5 per cent. on the amounts over due, which amply repays any loss to the Exchequer by these deferred payments.

Of the total outstanding charges (5,700), at least 5,600 are repaid by way of annuity half-yearly. The amount received in the year in respect of these have again, under your Lordships' instructions, been divided into principal and interest, in furtherance of the object of the Budget statement for the year 1874–5, viz., that the interest received shall be applied in aid of income. In the investigation made for this purpose it was ascertained that the whole amount received and paid to Her Majesty's Exchequer was divisible as follows:—

	£
Principal,	95,255
Interest,	61,357
	£156,612

The interest sum applied to income is £9,834 in excess of the former year, when it stood at £51,528.

The same investigation has enabled us to arrive at the total outstanding liabilities on all classes of our Loans, which, at the close of the financial year, amounted to £1,994,722 against £1,776,069 exhibited in the previous account.

Since our last Report charges have terminated on two drainage districts: the Kill and Shinrone, works which were carried out under the Act 5 & 6 Vic., c. 89, involving half-yearly charges to the extent of £196 15*s.* 9*d.* During the same time awards have been made, bringing under repayment the expenditure incurred in the following works by the respective Local Boards constituted by the Act 26 & 27 Vic., c. 88:—

District.	Cost of Work.			Half-yearly Instalment.			No. of Proprietors Contributing.
	£	s.	d.	£	s.	d.	
Baltracey,	8,211	1	2	261	18	11	13
Boolinarrig,	3,107	2	4	101	8	2	12
Ballynacourty,	1,268	3	10	48	10	7	7
Douglas River,	13,663	6	8	447	1	1	36
Frankfort ,,	6,746	8	4	227	0	7	19
Island Lakes and Glore Rivers,	8,704	13	7	208	9	10	10
River Torrent,	5,332	1	6	179	2	0	58
	£47,032	17	5	£1,473	11	2	155

The Land Improvement Loans repayments which, during the previous five years have been diminishing in amount in consequence of the expiry of the rentcharges on the large advances amounting to £1,300,000 made between the years 1847 and 1852, show that the limit of this declension was reached in 1874–75, when the amount of the recoveries had fallen to £69,684 from £111,848 in 1870–71.

The amount repaid during the last twelve months is £73,352, or £3,668 in excess of last year, and at the present rate of advances, this progress will continue. The Loans which have been *finally* paid off on the service, now amount to £1,332,918, representing an annual rentcharge of £86,638.

The Public Works and Land Act Loans repayments are also £9,187 and £2,263 greater, which in both cases is due to the larger advances which we have been called on to make under various Acts of Parliament in recent years.

Irish Reproductive Loan Fund.

In the observations we addressed to your Lordships on this service last year, it was stated that the Fund, which consisted of £42,061—3 per cent. consols, and £974 cash, had been vested in us in trust on account of ten counties by the Act 37 & 38 Vic., c. 86, to make Loans for Fishery and other purposes, including instructions in agricultural science, which cannot be provided for by local rates or assessments.

The rules approved by the Lord Lieutenant under the 10th section of the Act, authorize us to make Loans from £5 to £500, at 2½ per cent. interest, to be repaid within a term of years not exceeding ten, and direct that a bond shall be taken in each case conditional on the due application of the advance to the purpose for which it is made.

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We beg now to show in the following statement an analysis of the transactions under each of the ten counties for the year ended 31st March last, having in a former statement which has been laid before Parliament, as directed by the 12th section of the Act, given some of these particulars up to the 31st December last, viz.:—

County.	Money Value of Fund at credit of County, 1st January, 1876.	Available for Loan in 1876.	Advanced to 31st March, 1876	Repaid.	Number of Loans.
	£	£	£	£	£
Clare,	1,873	468	320	49	54
Cork,	4,539	1,135	(1875), 1,060 (1876), 260	204	61
Galway,	5,620	1,405	1,162	177	64
Kerry,	10,915	2,729	(1875), 2,315 (1876), 139	288	96
Leitrim,	1,241	310	50	3	2
Limerick,	2,238	559	–	–	–
Mayo,	3,406	852	754	87	63
Sligo,	2,085	521	482	54	30
Roscommon,	4,607	1,152	–	–	–
Tipperary,	3,146	787	–	–	–
	39,670	9,918	6,542	862	370

All these 370 Loans being for Fishery purposes were granted on the recommendation of the Fishery Inspectors, who made the requisite inquiries in their respective districts as to the object of the Loans and their due application to the purposes for which they were allocated.

Each of these advances is secured by several promissory notes, payable at intervals of six months, extending over a term of three to five years. Taking the average at seven half years, the number of notes given in exchange for the £6,542 would be upwards of 2,500, and with the object of avoiding confusion and reducing the labour to this department, each instalment on a Loan has been made uniform, being calculated on the principle of an annuity. Having no officers or other agencies at the various creeks and fishing stations in which the Fund was to be allocated—many of them in the most remote parts—through whom the promissory notes and bond for each advance could be negotiated, we felt some considerable difficulty at first as to how we could give effect to the object of the legislature in this matter without incurring an expenditure which would be altogether disproportionate to the amounts to be distributed.

This object has, however, been accomplished, and as it would appear satisfactorily, by throwing upon each borrower the obligation of procuring the services of a magistrate, clergyman, or other public functionary residing in the neighbourhood, who is invited by circular to write to us stating that he would be willing to see the promissory notes executed by the borrower and his sureties, and to verify their correctness by his signature on each.

On these being returned, duly signed, the amount of the Loan is forwarded through the same source, to be handed to the fishermen in whose favour the draft is drawn.

In this way this very onerous duty has been carried out without any charge whatever, but not without throwing upon a portion of our staff a labour which they have only been able to perform during a portion of the year, at considerable inconvenience and expenditure of time beyond the official hours.

Up to the 1st April last 335 notes became payable; of these there are only four in arrear, which legal steps are now being taken to recover.

If the future instalments are met with the same regularity, we do not hesitate to say that it will reflect considerable credit on this class of people, and that their desire to discharge these debts will bear favourable comparison with other classes.

We have received no applications from the non-maritime counties of Roscommon and Tipperary, and in these cases as well as that of Limerick, where there are no fishermen, we have applied the surplus dividend to the purchase of £150 stock on account of such county.

PUBLIC BUILDINGS.

Public Buildings.

The necessary works of repairs and maintenance to the several Public Buildings and Official Residences in charge of the Board have been duly attended to.

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Post Offices.

The negotiations for the acquisition of the premises required for the enlargement of Cork Post Office have been concluded, and the new Buildings will shortly be under contract.

The Offices provided for Postal Service in the new Public Buildings at Londonderry and Waterford are near completion, and will soon be ready for occupation.

The several other provincial post offices maintained by the Crown have been kept in efficient repair.

Customs Buildings.

The Custom Houses and Boarding stations at the various Ports have been carefully maintained, and at the Ports of Londonderry and Waterford offices have been provided in the new Public Buildings for the Customs Service. At Limerick Custom House a redistribution of office accommodation for the Departments occupying the building has been satisfactorily carried out.

Constabulary Buildings.

At the Depôt, Phœnix Park, four Baths for the men have been provided, also a Recreation-room, and the reconstruction of the Depôt Store has been carried out.

The following new Barracks have been completed and are now occupied :—

Bruff,	county Limerick,	to accommodate	1 Sub-inspector, 1 Head Constable, and 19 men.
New Pallas,	do.	do.	1 Sub-inspector, 1 Head Constable, and 14 men.
Tipperary,	county Tipperary,	do.	1 Sub-inspector, 1 Head Constable, and 28 men.
Kinnewry,	county Mayo,	do.	1 Constable and 5 men.
Balla,	do.	do.	1 Constable and 12 men.
Cuilmore,	do.	do.	1 Constable and 5 men.

New Barracks are in progress at—

Monagban,	county Monaghan,	to accommodate 1 Head Constable and 25 men.
Howth,	county Dublin,	do. 1 Head Constable, 3 Constables, and 18 men.

Metropolitan Police Buildings.

A Cleaning-room, Bath-room, &c., have been added to the Barrack in the Lower Castle Yard, and similar accommodation has been provided for Summer-hill and Manor-street Barracks. Improvements have also been carried out at Cabra, Kilmainham, Booterstown, Blackrock, and Kingstown Barracks.

Mountjoy Barracks.

The new building for the accommodation of the Lithographers, &c., employed in the Ordnance Survey Office has been completed.

Royal Hibernian Military School.

New shed accommodation, and the improvement of three masters' quarters have been completed.

Coast-Guard Stations.

The following new Stations have been completed during the past year :—

Ballymoney, county Wexford, 1 Chief Boatman and 4 men.
Dunany, county Louth, 2 men.
Moville, county Donegal, 1 Chief Boatman and 6 men.
Pollocheeny, county Sligo, 1 Chief Boatman and 8 men.
Rathmullen, county Donegal, 1 Chief Officer and 7 men.
Ringsend, county Dublin, 1 Chief Officer and 9 men.
Youghal, connty Cork, 1 Chief Officer and 7 men.

The works are in progress at the following new Stations :—

Bray, county Wicklow, 1 Chief Officer and 5 men.
Cahirmore, county Cork, 1 Chief Boatman and 4 men.
Cushendall, county Antrim, 4 men.
Costello Bay, county Galway, 1 Chief Boatman and 5 men.
Cranfield Point, county Down, 1 Chief Officer and 6 men.
Gortrummagh, county Galway, 1 Chief Boatman and 6 men.
Killybegs, county Donegal, 1 Chief Boatman and 5 men.
Portaferry, county Down, 1 Chief Boatman and 5 men.
Port Ballintrae, county Antrim, 1 Chief Boatman and 4 men.
Port Kinnagoe, county Donegal, 1 Chief Boatman and 4 men.

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Extensive additions and alterations have been carried out at Ballyheige, Ballymacaw, Ballygally, Cappa, Dooran, Howth, Kingstown, Lackeen, Oyster Haven, Roche's Point, Sutton, Tribane, Waterville.

Works of repair and maintenance have been executed at various stations at a cost of £4,812.

Dundrum Criminal Lunatic Asylum.

A new Dairy, &c., and a Shed in Exercising-yard for Patients have been provided.

Glasnevin Botanic Gardens.

An additional story has been built to the Foreman's Cottage.

Phœnix Park.

The general works necessary for the proper conservancy of the Park and the cultivation of the People's Garden have been carefully attended to.

Queen's Colleges.

The necessary works of repair and maintenance at the Queen's Colleges, Belfast, Cork, and Galway, have been carried out.

National Education Buildings.

Thirty-one new ordinary literary National School-houses have been built in the past year, at a total cost of £9,855 6*s.* 4*d.*, towards which the Board paid as Grants two-thirds, or the sum of £6,570 4*s.* 3*d.*, the remaining one-third of the expense being contributed by local persons interested in the schools.

Various additions to, and enlargement of school-houses, together with such works of improvement as providing timber-flooring, erecting porches, building, enclosing walls and gates, wainscotting, tablet rails, eave gutters, and other works have been effected at 28 ordinary literary National Schools, at a total cost of £2,017 8*s.* Towards this sum the Board paid two-thirds, viz., £1,344 18*s.* 8*d.*, and the remaining one-third was borne by local persons interested.

Besides this outlay, the Board have expended in new works and alterations, repairing and maintaining the Metropolitan (or Central) Model School Buildings, the District Model, Minor Model, and Model Agricultural Schools the sum of £4,956 4*s.* 9*d.*, and a further sum of £1,818 10*s.* 4*d.* for furniture for those buildings; and on the ordinary literary National Schools in charge of the Board, a sum of £2,576 13*s.* 7*d.* has been also expended on works of maintenance and repair.

Fuel and Light, &c.

This service for the twelve months ended 31st March, 1876, embraced the supply to about 250 establishments, of coals, coke, turf, gas, chandlery, &c., to the aggregate amount, including the Phœnix Park, and Kingstown and Howth Harbours, of £26,462 2*s.* 5*d.*

LABOURING CLASSES' LODGING-HOUSES AND DWELLINGS ACT (IRELAND);

29 & 30 Vic., c. 44.

Eleven applications have been received under this Act during the year ended 31st March, 1876, and seven loans have been decided on during that period, amounting to £24,242, for the erection, &c., of 259 dwellings.

GLEBE LOANS.

Glebe Loan (Ireland) Acts, 1870–71–75;

33 & 34 Vic., c. 112, 34 & 35 Vic., c. 100, and 38 & 39 Vic., c. 30.

One hundred and one applications under these Acts have been received during the year ended 31st March, 1876, viz.:—

Purpose for which Loan is required.	No.	Amount applied for.			Amount sanctioned.			No. Sanctioned.
		£	s.	d.	£	s.	d.	
For the purchase of glebe land or houses, . .	26	10,186	0	0	4,276	0	0	16
" building or improving of glebe houses, or erection of out-offices, . . .	68	37,836	0	0	39,160	0	0	62
" paying off glebe debts, . , . .	7	2,900	0	0	595	0	0	2
	101	50,922	0	0	44,031	0	0	80

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Of these 101 applications 64 have been sanctioned, and 37 are under consideration or awaiting compliance with certain requirements. Of the 80 total sanctions, amounting to £44,031, 16 were for applications received during the previous year, amounting to £10,336.

NATIONAL MONUMENTS AND ECCLESIASTICAL RUINS.

Irish Church Act, 1869; 32 & 33 *Vict.*, c. 42.

Under the provisions of the 25th section of the above Act, the following ruinous ecclesiastical buildings and other ancient structures of national or historic value and importance have been handed over to the Board by the Church Temporalities Commissioners for future preservation and maintenance, viz. :—

The ancient Cathedral Church of Cashel, situate on the Rock of Cashel, and commonly called the "Rock of Cashel," with the land adjacent thereto.

Devenish Church and Round Tower, in the barony of Magheraboy, and parish of Devenish, in the county of Fermanagh.

Donaghmore Stone Cross, in the barony of Middle Dungannon, and parish of Donaghmore, in the county of Tyrone.

Monasterboice Church, Round Tower, and three Crosses, in the barony of Ferrard, and parish of Monasterboice, in the county of Louth.

Donaghmore Church and Round Tower, in the barony of Ratoath, and parish of Donaghmore, in the county of Meath.

Saint Columb's House, Kells, in the barony of Upper Kells, and parish of Kells, in the county of Meath.

Killala Round Tower, in the barony of Tyrawley, and parish of Killala, in the county of Mayo.

Killamery Stone Cross, in the barony of Kells, and parish of Killamery, in the county of Kilkenny.

Kilkieran Stone Cross, in the barony of Gowran, and parish of Kilkieran, in the county of Kilkenny.

Kilclespeen two Stone Crosses, in the barony of Iffa and Offa East, and parish of Newtown Lennon, in the county of Tipperary.

Ardmore Cathedral, Round Tower, and Saint Declan's Tomb, in the same enclosure, in the barony of Decies-within-Drum, and parish of Ardmore, in the county of Waterford.

The Ruins of the Seven Churches, with the Round Tower, Stone Crosses, and the other Ecclesiastical Buildings or Structures, in the barony of Ballinacor, and parish of Derralossory, in the county of Wicklow.

Ardfert Cathedral and Ruins of two Churches, in the barony of Clanmaurice, and parish of Ardfert, in the county of Kerry.

Gallerus Church, in the barony of Corkaguiney, and parish of Kilmaclohedar, in the county of Kerry.

To meet the cost which it has been estimated, it will be necessary to incur, in placing these ruins in the first place in, as far as possible, a state of security against further dilapidation, and to supply a fund, the interest of which will provide for their subsequent maintenance, the Church Temporalities Commissioners have transferred to the credit of the Board the sum of £22,554.

The instructions which the Board have given to their Architect, and to the Superintendent (Mr. Deane), who has been appointed to take immediate charge of the Ruins, are that their operations are to be strictly confined to what is necessary for the preservation of the several monuments—securing loose stones, preventing infiltration of water by cement covering to walls, &c., where practicable, and clearing away rubbish, where, by doing so, portions of the buildings now hidden may, with advantage, be brought to view—but carefully to avoid any attempt at restoration, or doing anything which might mar the ancient and picturesque character of the ruins.

The report of Mr. Deane will be found in the Appendix, from which will be seen the progress which has been made with those structures with which it has as yet been found practicable to proceed, and which are—The Rock of Cashel, Seven Churches, Glendalough, Ardmore, Ardfert.—*See Appendix, page* 67.

Harbours.

HARBOURS.

Kingstown Harbour, County Dublin.

All the works of this Harbour, including the Piers, Jetties, Wharves, Buildings, Fences, Roads, Lamps, and Sewers have been maintained in good order, and the following works have been executed, or have been in progress :—

The reconstruction of "The Wolf" Jetty at the East Pier.

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The repair of the Wave Screen at the outer end of the East Pier.
The completion of a portion of the Sea Slope adjoining the West Pier Head.
The removal of some rocks at the entrance to the Boat Harbour.
Sliding pieces fixed to the face of the Victoria Wharf to suit the floating Fenders used by H.M. troopships.
A Steam Crane has been erected near the Ballast Pit in the Coal Harbour, and a line of Tramway laid down to the Ballast Quay.
The repairs of the face of the Wharf Walls, Steps, Recesses, and Coping, and Maintaining the woodwork on the faces of the Mail Packet Pier.
Satisfactory progress has been made with the dredging of the Harbour.—*See Engineer's Report, Appendix* B.

The following is a return of the Vessels that have used the Harbour during the last year, 1875—Mail Steam Packets excepted :—

	Number.	Tonnage.
To and from the port of Dublin, waiting wind and tide, Sailing Vessels,	238	80,185
Do. do. do. Steamers,	27	9,212
From English, Irish, Scotch, and Foreign ports, to Irish ports,	309	25,180
From English, Scotch, and Foreign ports, to English and Scotch ports,	120	18,893
From Irish ports to English, Scotch, and Foreign ports,	222	21,489
From English and Scotch ports to Foreign ports,	30	6,835
For Orders,	6	629
To Kingstown,	341	38,386
Yachts from Great Britain,	92	—
Men-of-War, H. M. Steam Troopships, &c.,	27	—
Total,	1,412	200,809
In the previous year the numbers were,	1,262	172,874

Howth Harbour, County Dublin.

The works completed or in progress during the year were :—
The reconstruction of the sea slope of the Eastern Pier.
The repairs of the sea slope and of a wall on the West Pier. Some additional damage by storms in November and October last repaired.
The roads, wharves, and sheds have been kept in good order.—*See Appendix* B.

Donaghadee Harbour, County Down.

The works of this Harbour have been maintained, and the removal of rocks from the bed of the Harbour have been proceeded with.—*See Appendix* B.

Dunmore Harbour, County Waterford.

The usual works of maintenance have been executed, and the repairs to the sea pavement continued.—*See Appendix* B.

ARTERIAL OR RIVER DRAINAGE.

Drainage and Improvement of Lands.

The Board's duties in connexion with the works of Arterial Drainage, with Improvements of Navigation and Water-power, under the original Acts, viz., the 5 & 6 Vic., cap. 89 ; 8 & 9 Vic., cap. 69 ; 9 Vic., cap. 4 ; 10 & 11 Vic., cap. 79 ; 16 & 17 Vic., cap. 130 ; 18 & 19 Vic., cap. 110 ; 19 & 20 Vic., cap. 62 ; 20 & 21 Vic., cap. 23 ; and 21 & 22 Vic., cap. 41, have been confined during the past year to determining, on the application of proprietors, the amount of increased rent to be paid by tenants in respect of the benefit derived by them from improvements in their holdings, resulting from the Drainage operations, and to giving information, assistance, and advice to the Trustees of Districts, on such points connected with their trusts as they might request, and which we have felt it within our province to give, all executive operations having been long since brought to a close.

Arrangements have been made for the disposal of the Clonakilty Slob-lands, which will relieve this Board of any future responsibility in connexion with them.

The whole expenditure charged against the different undertakings commenced under the Arterial Drainage Acts (prior to 1863), including £70,201 for works chargeable to counties, amounted at the end of March, 1876, to £2,390,612 12*s.* 4*d.* ; and the repayments in respect thereof amounted to £1,269,997 8*s.*

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Arterial Drainage.

Drainage and Improvement of Lands (Ireland) Act, 1863, *and Amendments thereof*; 26 & 27 Vic., c. 88; 27 & 28 Vic., c. 72; 28 & 29 Vic., c. 52; 32 & 33 Vic., c. 72; 35 & 36 Vic., c. 31; and 37 & 38 Vic., c. 32.

Applications for three new Drainage districts were received during the year 1875–76, namely:—The River Suck and its tributaries, in the counties of Galway and Roscommon; the Blackwater, near Swanlinbar, county Cavan; the Ballyadams, near Athy, Queen's County; and a renewed application for The Ward—District No. 21—counties of Dublin and Meath.

The total number of districts, brought before the Board since the passing of these Acts and up to the 31st March, 1876, is 48, viz.:—

	A.	R.	P.
1. Athboy, county of Meath,	1,388	0	27
2. Ballynacarrig, King's and Queen's counties,	2,502	1	23
3. Thurles, county of Tipperary,	2,446	1	15
4. Rathdowney, Queen's county,	413	1	39
5. Sixmilebridge, county of Clare,	2,595	0	4
6. Kilmastulla, county of Tipperary,	1,681	1	18
7. Silver River, King's county and county of Westmeath,	1,092	2	30
8. Parsonstown, King's county and county of Tipperary,	2,719	0	1
9. Camoge, county of Limerick,	1,260	3	0
10. Elphin, county of Roscommon,	3,395	3	12
11. The Connell, county of Kildare,	747	2	0
12. Brickey, county of Waterford,	829	1	20
13. Upper Inny, counties of Cavan, Longford, Meath, & Westmeath,	11,675	2	6
14. The Quinagh, county of Carlow,	680	3	0
15. The Clodiagh, county of Tipperary,	1,657	1	4
16. The Island Lakes and Glore River, county of Mayo,	1,457	0	32
17. Lough Oughter and River Erne, county of Cavan,	3,077	1	30
18. Buncam Lake and Ballyhean River, county of Mayo,	828	0	0
19. The Gully, Queen's county,	1,064	0	10
20. The Doohyle, county of Limerick,	409	2	32
21. The Ward, counties of Dublin and Meath,	888	0	18
22. Frankford River, King's county,	1,204	2	0
23. The Mulkear, county of Limerick,	3,250	2	24
24. Dunderry, county of Meath,	3,434	0	20
25. Douglas, county of Carlow,	3,088	2	0
26. Derrinlough, King's county,	622	0	30
27. Boolinarrig, King's county,	926	3	20
28. Kildare (Tully River), county of Kildare,	2,347	3	30
29. Baltracey, county Kildare,	1,955	2	30
30. Lough Erne, counties Fermanagh, Cavan, and Monaghan (No. I.),	17,437	3	0
31. Torrent River, county Tyrone,	453	1	16
32. The Boira, county Wexford,	1,227	3	3
33. The River Bride and Kilcrea, county of Cork,	1,269	3	4
34. The Upper Gully—River Gully, Queen's county,	508	1	18
35. Ballycranmore—Blackstaff River, county of Down,	147	2	10
36. Lough Erne, counties Fermanagh, Cavan, and Monaghan (No. II.),	19,417	1	5
37. Ballynacourty, county Limerick,	179	0	5
38. Ollatrim River, county Tipperary,	323	3	36
39. Fourtowns and Jerrittspass, counties Armagh and Down,	428	2	17
40. Rathangan River, county Kildare,	8,789	3	15
41. Stoneyford River, counties Meath and Westmeath,	3,536	2	30
42. Tory Hill, county of Limerick,	980	1	38
43. Barnakyle, county of Limerick,	1,007	2	22
44. Ballintemple, county Carlow,	504	3	0
45. Upper Finn River, county Donegal,	1,274	2	0
46. Upper Leannan, county Donegal,	656	3	0
47. The River Suck and its tributaries, counties of Galway & Roscommon,	32,465	2	3
48. The Blackwater, near Swanlinbar, county of Cavan,	265	2	19
49. The Ballyadams, near Athy, Queen's county,	833	2	0

Acts have been passed confirming the provisional orders of the Board constituting twenty-eight of those districts, viz.:—

Athboy.	Parsonstown.	Frankford River.	Lough Oughter and River Erne.
Ballynacarrig.	Elphin.	Douglas River.	Upper Gully.
Rathdowney.	Clodiagh.	Derrinlough.	Ballynacourty.
Sixmilebridge.	Camoge.	Baltracey River.	Stoneyford.
Kilmastulla.	Upper Inny.	Boolinarrig River.	Bride and Kilcrea.
Silver River.	Doohyle.	River Torrent.	Tory Hill.
Connell.	Gully.	Mulkear.	
Brickey.	Island Lakes and Glore River.	Kildare.	
Quinagh.			

The works have been completed, and final awards made for—

Athboy.	Silver River.	Gully.	Douglas.
Rathdowney.	Brickey.	Derrinlough.	Island Lakes and Glore River.
Ballynacarrig.	Sixmilebridge.	Parsonstown.	Torrent.
Connell.	Doohyle.	Baltracey.	Ballinacourty.
Quinagh.	Elphin.	Boolinarrig.	Upper Gully.
Kilmastulla.	Clodiagh.	Frankford.	

The works of the following districts are in course of execution:—

Camoge, Upper Inny, Mulkear, Kildare, Lough Oughter and River Erne, and Stoneyford.

With regard to the remaining districts, the Thurles, Buncam Lake, Dunderry, Boira, Ballycranmore, Upper Finn, and Leannan, appear to have been abandoned, and the

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Ollatrim and Ballintemple have been withdrawn by the petitioners. Revised plans for the Ward have been submitted, and the other districts are passing through the stages required by the Acts previous to provisional orders constituting them being made.

Since our report of last year nothing further has been done in the case of the Lough Erne district, the most important which has yet been brought before the Board under the recent Drainage Acts, being, next to the Suck, the largest as to the area of the flooded lands, and also as being connected with the navigation of the lakes and the canals which join it. The Inspector reported unfavourably on the project submitted, and his report was furnished to the promoters of the project. The plans having been revised, the Inspector has made a further report, which has been furnished to the petitioners.

Another petition has been presented by the principal proprietors of land in this district, and the Inspector has held the meeting required by the Acts and has made his report, which has been furnished to the petitioners; but the assents of the proprietors have not yet been given to either project, and, until they are, this Board can take no further steps.

The total area of land to be improved in the Forty-one districts which have been, or are being, proceeded with is 113,564 statute acres, and the estimated cost of the works £678,072.

The Loans sanctioned by your Lordships under these Acts amount to £294,470. The advances on account thereof, including interest charged during the operation of the works, amount to £231,501, and the repayments from districts, in respect of which awards have been made, amount to £39,553.

Increased Rents in respect of Drainage Charges.

During the past year thirty-four applications were received from Proprietors for increased rents to be paid by the tenants in respect of lands improved by drainage, and meetings were held by us, representing 183 holdings—112 being tenants from year to year, and 71 leaseholders. See following Schedule :—

Name of District.	Proprietor.	Number of Tenants.	
		Leaseholders.	Year to Year.
Baltracey, Co. Kildare,	The Ven. J. E. Johnson, D.D., Archdeacon of Ferns,	2	–
	Trustees of Michael Aylmer,	6	3
	Samuel Watson, 149, Leinster-road, Rathmines,	1	3
	John Taaffe, Smarmore Castle, Ardee,	1	–
	Sir Gerald G. Aylmer, Donadea Castle, Donadea,	3	6
Boolinarrig, King's County,	Colonel Thomas Bernard, Castle Bernard, Kinnitty,	–	2
	A. J. V. L. Birchael, Blackrock House, Drumshambo,	2	–
	Rev. W. Berry,	3	–
Ballynacourty, Co. Limerick,	Rev. Thomas Westropp, Ardcarnoy, Kildimo,	–	1
Boyne, King's County, Kildare, Meath, and West-meath.	Col. Beachamp Cololongh, 34, Grosvenor-road, Rathgar,	2	–
	Patrick Leech, Mongonstown, Kinnegad,	1	–
Douglas, Co. Carlow,	Colonel Thomas Arthur,	3	9
	John James Leeky,	3	1
	Colonel J. H. Keogh, Kilbride, Carlow,	7	1
	Viscount Frankfort, per Messrs. Stewarts and Kincaid,	–	4
	Francis Bonham, per Messrs. Stewarts and Kincaid,	–	2
	J. W. Watson, 25, South Frederick-street, Dublin,	1	–
	D. Herring Cooper, Hanover House, Carlow,	1	2
	Mrs. Jane Mahon,	10	10
Frankford, King's County,	A. Banon, Rep. of D. J. Banon,	4	17
	Mrs. Hobbs, Pigeonstown,	1	2
	Drought's Estate, per G. Deane,	2	–
	Mrs. Mary Warren, Parsonstown,	1	–
	Nicholas O'Connor, Parsonstown,	1	–
Gully, Queen's County,	Peter Roe, Castle Ivy House, Templemore,	4	6
	William Drought, Ballygeehin, Ballacolla,	1	–
Island Lakes, and Glore River, Co. Mayo.	Patrick D. Tyrrell, Annagh, Ballyhaunis,	7	7
	Do., do.,	2	2
Torrent, Co. Tyrone,	Thomas Hamilton, Grange, Moy,	–	6
	Michael Shields, Altmore, Cappagh,	1	–
	Robert Hassard, Allan Rock, Dungannon,	–	2
	James G. Bell, Tullylish House, Gilford, Co. Down,	–	1
	George Hill Major, 18, Talbot-street, Dublin,	–	7
	Earl of Ranfurly,	1	8
	Lieut.-General W. Irwin,	–	10
	34 Cases,	71	112

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Drainage Maintenance Act, 1866;
29 & 30 Vic., cap. 49.

Three new applications were received during the past year, viz.:—

Glenariff, County Antrim.
Loughans, County Kilkenny.
Rinn and Blackriver, Counties Leitrim and Longford.

The works of the Owenabrocka district were completed.
The works of the Borris-in-Ossory district were in progress.
The works of the Camoge district have been undertaken by the trustees; and
We are taking steps to carry on the works of the Monivea district in the County of Galway.

Maintenance of Navigations in connexion with Drainage under provisions of Act 19 & 20 Vic., c. 62.

Under the provisions of the 29th section of this Act, we received two applications for repairs of portions of the Ballinamore and Ballyconnell Navigation District, vested in Trustees for the use of the counties of Leitrim, Cavan, Fermanagh, and Roscommon.

I.—One from the Ratepayers of the county of Leitrim, for the repairs of the Navigation from the Shannon to Ballinamore.

II.—The other from the Ratepayers of the barony of Tullyhaw, county of Cavan, for the repairs of damage or injury to the Embankment, Flood-gates, and Wall at the Weir in the river at Ballyconnell, in consequence of which the Mills at Ballyconnell are deprived of water.

Having had reports and estimates made by our Engineer, as his estimate in the case of the first application for the repairs of the Navigation from the Shannon to Ballinamore amounted to £4,400, we thought it right before taking any further steps in the matter, to send a copy of Mr. Manning's report to His Grace the Lord Lieutenant, in order that the views of the Trustees should be ascertained before incurring an expenditure which would impose a heavy charge on the county. And subsequently on a reference from His Grace we stated our opinion, "that the prospects of any trade arising on the Navigation, or of any benefits to the surrounding districts therefrom, are not such as would appear to warrant the expenditure estimated at £4,400."

In the case of the second application—repairs of Embankment, &c., at Ballyconnell Mills—we have made arrangements for carrying out the works during the coming season.

LAND IMPROVEMENT.

Land Improvement.

In this branch of our duties we have to report that the number of applications for Loans for the improvement of landed property received by us during the past year exceed those of any year since 1851, although the total amount issued during the year is—owing to the smallness of some of the Loans sanctioned—less than the sums issued in either of the two previous years.

The number of applications and the amounts issued in each year from the commencement in 1847, to the close of the last financial year are stated as follows:—

	No. of Applications.	Amounts Issued.		No. of Applications.	Amounts Issued.
1847, June to December (inclusive),	1,354	£72,790	1862,	184	£61,375
1848,	571	356,160	1863,	138	58,830
1849,	643	379,836	1864,	132	58,430
1850,	436	250,324	1865,	90	46,215
1851,	280	145,653	1866,	98	26,295
1852,	164	88,542	1867,	145	39,180
1853,	154	55,454	1868–9,	179	64,973
1854,	123	49,293	1869–70,	166	83,775
1855,	98	35,180	1870–71,	159	77,980
1856,	108	32,510	1871–72,	160	82,555
1857,	114	31,674	1872–73,	223	76,290
1858,	112	35,524	1873–74,	224	99,572
1859,	111	29,334	1874–75,	245	102,005
1860,	135	26,902	1875–76,	265	98,730
1861,	154	36,656			

10 Vic., c. 32; 12 Vic., c. 23; 13 & 14 Vic., c. 31; 29 & 30 Vic., c. 40.

The total number of Loans sanctioned by your Lordships up to the 31st March, 1876, was 5,867 and at that date the sum remaining unappropriated of the fund of £3,000,000 provided by the Acts quoted in the margin was £322,440.

The issues for all classes of work under the several Land Improvement Acts to the 31st March, 1876, amount to £2,602,037.

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During the year now reported on, works have been commenced under 203 new Loans which are divided under the following heads:—

	No. of Loans.	Amount Sanctioned.
Drainage and other Land Works,	67	£44,480
Farm Buildings,	106	57,545
Labourers' Dwellings,	30	23,950
Scutch Mills,	—	—

The numbers of applications, and the sums issued in the several counties of Ireland from the commencement to the 31st March, 1876, are given in the following table:—

SCHEDULE showing the NUMBER of APPLICATIONS and AMOUNTS ISSUED.

Name of County.	No. of Applications.	Amount Issued. £	s.	d.	Total No. of Applications.	Total Amount Issued. £	s.	d.
NORTHERN DIVISION.								
Antrim,	160	101,168	0	0				
Londonderry,	126	45,178	0	0				
Donegal,	222	110,011	0	0				
Fermanagh,	134	55,260	0	0				
Tyrone,	231	97,080	0	0				
Armagh,	61	13,848	0	0				
Down,	88	36,929	0	0	1,022	459,474	0	0
MIDLAND AND EASTERN.								
Cavan,	106	24,531	0	0				
Monaghan,	91	32,829	0	0				
Longford,	153	59,401	0	0				
Louth,	62	23,775	0	0				
Meath,	232	118,965	0	0				
Westmeath,	153	46,558	0	0				
Dublin,	168	45,857	0	0				
Kildare,	195	74,845	0	0				
King's,	134	28,378	0	0				
Queen's,	266	104,670	0	0				
Wicklow,	181	72,296	0	0				
Carlow,	176	76,584	0	0				
Kilkenny,	156	50,991	0	0				
Wexford,	243	87,877	0	0	2,316	847,557	0	0
WESTERN.								
Sligo,	155	62,512	0	0				
Leitrim,	131	48,375	0	0				
Mayo,	335	123,964	0	0				
Roscommon,	298	106,673	0	0				
Galway,	559	165,155	0	0				
Clare,	233	67,806	0	0	1,711	574,485	0	0
SOUTHERN.								
Limerick,	493	206,276	0	0				
Tipperary,	390	111,057	0	0				
Waterford,	111	37,940	0	0				
Cork,	771	184,395	0	0				
Kerry,	438	180,853	0	0	2,203	720,521	0	0
		Totals,			7,252	2,602,037	0	0

THOROUGH DRAINAGE.

The quantity of land thorough drained under the Acts from the commencement in 1847, to the 31st March in this year, is 255,556 acres, at an average cost of £6 10*s.* 4*d.* an acre. Of this quantity 2,103 acres have been drained during the year now reported on.

PLANTING FOR SHELTER.

The number of Loans granted for this description of improvement since the passing of the Act 29 & 30 Vic., c. 40, is 27 and of this number 4 amounting to £2,350 were sanctioned in 1875–6.

FARM BUILDINGS.

For this class of work 959 Loans have been sanctioned since the passing of the Act 13 & 14 Vic., c. 31, amounting to £468,235; and of these, 113, amounting to £59,865, were approved since the date of our last report.

DWELLINGS FOR AGRICULTURAL LABOURERS.

For the erection of Labourers' Dwellings the number of Loans sanctioned since we last reported is 34, amounting to £22,675, making a total of 305 Loans, and issues to the amount of £166,985 since the passing of the Act 23 Vic., c. 19.

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We give, as usual, in Appendix C, the reports of the District Inspectors, and in Appendix D, a tabular statement showing the loans in progress, and the amounts issued.

Landlord and Tenant Acts, 1870 *and* 1872.

LANDLORD AND TENANT ACTS, 1870 AND 1872.

33 & 34 Vic., c. 46, and 35 & 36 Vic., c. 32.

The number of applications made under the above-mentioned Acts during the financial year ended 31st March, 1876, by tenants for Loans to enable them to purchase their holdings, amount to 180, being an increase on the previous year of 101. In 44 cases with a total acreage of 3,681A. 1R. 37P., an annual rent of £3,323 9*s.* 2*d.*, and a general valuation of £2,721 6*s.* 4*d.*, the Board were enabled to grant sums to the amount of £43,402 to complete purchases, which, with the amounts issued for similar purposes in previous years, since the passing of the Act, shows a total of £281,752.

As in previous years purchases made through the medium of the Landed Estates Court were the most numerous, 39 Loans having been granted under the 45th section of the Act of 1870. Where the purchase is made by agreement between the landlord and tenant and confirmed by a special order of the Court, as provided for by the 44th section of that Act, there was but one Loan sanctioned during the past year, amounting to £2,620, making in all 9 cases in which that course of procedure was adopted, with a general total of £13,067.

Four cases of Loans came within section 1, sub-section 3 of the Amending Act of 1872, which provides for the sale of holdings by agreement between landlord and tenant without the intervention of the Court, the amount issued being £3,061, making an aggregate of 35 advances under this section since the commencement; the total amount issued being £18,724.

In the following table will be found the numbers and amounts of the Loans made since the passing of the Act (1870) to the 31st March, 1876, arranged according to Provinces and Counties.

SCHEDULE showing the number of cases in which Advances have been made to Tenants for the purchase of their Holdings, stating the amount of the Purchase-money, the sum advanced by the Board, the number of Acres purchased, with the Annual Rent and Government Valuation of same, up to 31st March, 1876.

PROVINCES AND COUNTIES.	No. of Applications.	Amount of Purchase-money.			Amount Advanced.	Number of Acres			Annual Rent.			Tenement Valuation.		
		£	s.	d.	£	A.	R.	P.	£	s.	d.	£	s.	d.
LEINSTER:														
Carlow,	2	1,770	0	0	945	89	1	30	94	6	0	76	10	0
Dublin,	3	5,850	0	0	3,760	223	2	36	292	0	7	232	15	0
Kildare,	2	2,850	0	0	1,380	82	1	2	122	14	2	59	0	0
Kilkenny,	25	20,930	0	0	13,563	1,415	1	11	899	11	0	863	19	6
King's,	4	2,354	0	0	1,537	154	0	16	108	9	11	96	0	4
Longford,	7	3,472	0	0	1,940	224	3	36	174	14	0	156	0	0
Louth,	2	7,150	0	0	4,753	312	2	11	286	6	11	306	10	0
Meath,	11	52,447	17	2	31,293	2,048	0	37	2,254	13	0	2,060	10	0
Queen's,	1	3,000	0	0	2,000	196	2	30	130	0	0	120	0	0
Westmeath,	2	3,416	17	5	1,953	285	3	12	232	15	3	155	10	0
Wexford,	7	6,051	1	5	3,713	397	1	33	254	12	2	222	5	0
Wicklow,	3	6,960	0	0	4,100	458	1	39	326	0	6	290	0	0
Totals,	69	116,251	16	0	70,937	5,889	0	13	5,176	3	6	4,648	19	10
MUNSTER:														
Clare,	10	10,950	0	0	6,142	832	1	4	382	2	7	417	10	0
Cork,	19	22,684	0	0	13,077	2,844	2	23	1,163	14	1	874	0	0
Kerry,	2	2,870	0	0	1,840	398	2	5	161	0	0	140	15	0
Limerick,	16	53,228	15	0	25,455	1,646	2	1	2,222	1	4	1,501	0	0
Tipperary,	41	39,395	16	8	23,328	2,991	0	10	1,818	18	3	1,354	17	0
Waterford,	1	1,000	0	0	500	26	0	18	45	0	0	32	0	0
Totals,	89	130,128	11	8	70,342	8,739	0	21	5,792	16	3	4,320	2	0
CONNAUGHT:														
Galway,	6	16,137	2	8	10,277	1,015	1	4	811	17	3	537	11	0
Mayo,	3	2,755	0	0	1,832	270	1	33	97	1	8	112	11	0
Roscommon,	5	7,281	15	0	4,518	477	3	32	387	13	0	335	5	0
Sligo,	1	2,300	0	0	1,533	423	3	27	185	15	0	150	0	0
Totals,	15	28,473	17	8	18,160	2,187	2	16	1,482	6	11	1,135	7	0

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SCHEDULE showing the number of cases in which Advances have been made to Tenants, for the purchase of their holdings, &c.—*continued.*

PROVINCES AND COUNTIES.	No. of Applications.	Amount of Purchase-money.			Amount Advanced	Number of Acres.			Annual Rent.			Tenement Valuation.		
		£	s.	d.	£	A.	R.	P.	£	s.	d.	£	s.	d.
ULSTER:														
Antrim,	11	8,873	0	0	4,978	635	0	17	404	8	0	318	15	0
Armagh,	15	1,558	0	0	1,033	142	2	29	54	13	10	87	5	0
Cavan,	1	1,460	0	0	923	70	3	25	74	0	0	69	0	0
Down,	1	4,100	0	0	2,600	123	3	33	179	13	9	145	10	0
Londonderry,	195	146,473	11	11	89,064	9,868	2	87	4,671	12	9	5,182	14	6
Monaghan,	4	1,302	0	0	759	73	1	15	45	2	6	50	0	0
Tyrone,	56	37,381	10	0	22,956	2,236	2	30	1,446	18	5	1,295	15	0
Totals,	283	201,148	1	11	122,313	13,151	1	26	6,876	9	3	7,148	19	6
Gross Totals,	456	476,002	7	3	281,752	29,967	0	36	19,327	15	11	17,253	8	4

LIMITED OWNERS' RESIDENCES.

Acts 27 & 28 Vic., c. 114; 33 & 34 Vic., c. 56; 34 & 35 Vic., c. 84.

Applications have been made during the past year for the erection of mansions by Samuel Thompson, esq., Muckamore Abbey, county Antrim; Mrs. Pauline Grattan, Bellew, Stradbally, Queen's County; and Henry Herbert, esq., Cahirnane, county Kerry. The necessary inquiries and preliminaries have not yet been completed. In the case of an application of Henry Bruen, esq., M.P., Oak Park, Carlow, for extensive improvements and additions to the Oak Park mansion, after the due examination and inquiry specified by the Acts, the Provisional Order has been issued. In the matter of the application of H. A. B. Wallis, esq., Drishane Castle, county Cork, for improvements and additions to the mansion, the Absolute Order has been completed.

FISHERY PIERS AND HARBOURS.

Fishery Piers and Harbours.

Acts 9 Vic., c. 3; 9 & 10 Vic., c. 75; 16 & 17 Vic., c. 136; 19 & 20 Vic., c. 37; 29 & 30 Vic., c. 45.

One memorial was received during the year 1875–76 for a new Pier, and some Wharfage and Harbour Accommodation for the use of fishing boats at Skerries, county Dublin.

The following is a Schedule of the memorials for piers, harbours, and other works received since the commencement of the year 1870, showing the nature of the work, and whether recommended, or in progress, &c.:—

Name and Situation.	Description of Pier, &c.	County.	Observations.
Ballyloughan,	Repairs of Quay,	Galway,	Not sanctioned.
Annalong,	To enlarge Harbour,	Down,	Not followed up by Memorialists.
Glin Pier,	To construct new Pier,	Limerick,	Completed.
Giles'-quay,	To construct Pier and Landing Slip.	Louth,	In progress under Board's Engineer.
Blackrock,	Pier or Landing Slip,	Louth,	Not followed up by Memorialists.
Courtown Harbour,	Pier to be replaced,	Wexford,	Completed.
Carrickfergus,	To improve and extend Harbour,	Antrim,	Harbour being vested in Commissioners and cannot be transferred to the county, no grant can be made.
Port Oriel, Clogher Head.	Do., do.,	Louth,	In progress by Contract.
Mannin Bay,	For a small Pier, Quay, and Landing Slip.	Galway,	Not followed up by Memorialists.
Lower Ring, near Clonakilty.	Pier,	Cork,	Not recommended, as fishery interests would not derive sufficient benefit.
Ballycotton,	To lengthen Pier and build Breakwater.	Cork,	Not followed up by Memorialists.
Courtmacsherry,	Pier and Dock,	Cork,	In progress by Contract.
Greystones,	Quay and Landing Slip, with approaches.	Wicklow,	Not recommended.
Inishbofin Island,	Pier,	Galway,	Completed and handed over to County.

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SCHEDULE—*continued.*

Name and Situation.	Description of Pier, &c.	County.	Observations.
Inishshark Island, .	Slip or Landing Place, . .	Galway, .	Completed and handed over to County.
Pool Hurrin, . .	Pier and Slip, ...	Donegal, .	*Not yet reported on by Engineer.
Malingbeg, . . .	Landing Slip, ...	Donegal, .	Not followed up by Memorialists.
Kinsale, . . .	Pier at "Scilly," . . .	Cork, .	Site not yet settled.
Tawney, . . .	Pier and Slip, ...	Donegal, .	*Not yet reported on by Engineer.
Mucross, . . .	Pier, ...	Donegal, .	Not followed up by Memorialists.
Smeerogue, or Poulahly,	For a Pier and Slip, with road thereto.	Galway, .	*Not yet reported on by Engineer.
Scattery Island, . .	To enlarge and improve present Pier.	Clare, .	*Reported on by Engineer.
Ballysiggart Boat Port,	Pier at, ...	Donegal, .	*Not yet reported on by Engineer.
Bournspeaka Pier, .	Pier at, near Ballyvaughan, .	Clare, .	In progress by Contract.
Malranny, Clew Bay, .	Pier and Landing Slip at, .	Mayo, .	*Reported on by Engineer.
Cape Clear Island, .	To repair and improve the Ship Basin at North Harbour or Keiran's Port.	Cork, .	*Do.
Rathmullan Pier, .	Extension of Pier Head and rebuilding it.	Donegal, .	In progress by Contract.
Burton Port, . .	To repair and extend Pier and improve Harbour.	Donegal, .	*Reported on by Engineer.
Inishbofin and Inishshark.	For a navigable cut through the shoal, south side, and to improve Slip.	Galway, .	*Do.
Kinsale, . . .	"Town Rock," Pier on, and approach Road and Slips.	Cork, .	Objections to site proposed. See "Scilly."
Check Point Pier, .	To extend and repair the old Pier at.	Waterford,	*Engineer has not yet reported.
Passage, East, . .	For extension of North Pier as far out as the South Pier.	Waterford,	Not followed up by Memorialists.
Skerries Harbour, .	For a Fishery Pier and some Wharfage and Harbour Accommodation.	Dublin, .	Do., do.

As the Government intend in the present session of Parliament to proceed with Bills empowering this Board to advance money for the improvement of the important fishery harbours of Arklow and Ardglass, which will involve a large expenditure, your lordships have directed us, for the present, not to bring forward applications for grants in aid of fishery piers from any other places, with the exception of Kinsale. We have, therefore, taken no further proceedings in the cases in the foregoing Schedule which are marked thus (*).

Inland Navigations.

INLAND NAVIGATIONS.

Lower Boyne Navigation.

The Lock Gates and other works have been kept in repair during the year, and the navigation is in good order. No new works have been undertaken.—*See Report of Superintendent, Appendix B.*

River Maigue Navigation.

The works of this navigation are in very good order.—*See Inspector's Report, Appendix B.*

Tyrone Navigation (Coalisland Canal).

The works executed on this navigation have been limited to the repairs incidental to its maintenance.—*See Inspector's Report, Appendix B.*

Ulster Canal.

This canal has now been re-opened for traffic three years, but up to the present time a very limited use has been made of it as a means of carriage, and there is no improvement in the amount of traffic. Since last year, as we stated in our last annual report, a moderate scale of dues was fixed with the view of giving encouragement to the trade in the District, but the result, up to the present, has not proved satisfactory. Any improvement in the amount of traffic will depend chiefly on a through trade between the North of Ireland and Belfast, and the Towns situated in the vicinity of the Canal and on to Lough Erne, which can only be effected by the assistance of steam tugs, which are not yet used in Lough Neagh.

The works during the past year have been limited to the repairs incidental to its maintenance.—*See Inspector's Report, Appendix B.*

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Shannon Navigation.

The works have been kept in good repair.—*See Inspector's Reports, Appendix B.*

The gross receipts from all sources amounted to £3,809, and the charges of maintenance to £3,274, showing a surplus of receipts over the expenditure of £535. The sum received in respect of tolls was £2,003, being a little less than last year, when the amount was £2,020. The larger decline in some other navigations, caused by the contracted state of the trade of the country, together with the boisterous weather during February and a part of March which obstructed the traffic in this navigation, induces us to view the falling off (£17) as evidence that the progress of the traffic has been fully maintained.

THE SHANNON ACT, 1874.

37 & 38 Vic., c. 60.

The Shannon Act, 1874.

The Board having made the alterations in the Schedules and Maps—rendered necessary after the inquiries held in March, 1875—sealed and signed the valuation, gave notice of such settlement in the *Dublin Gazette* of 9th June, 1875, and issued forms of assent and dissent to the several Proprietors interested in the lands bordering on the river Shannon, in accordance with the 10th Section of the Act.

The authorized period—six months—after the publication of the notice in the *Gazette* having expired, the result was as follows :—

	Present actual Value of Lands. £	s.	d.
16 Proprietors assented,	208	4	3
76 „ dissented,	6,513	19	2
120 „ did not reply,	5,546	2	1

The Act, therefore, became inoperative.

POST ROADS.

Act 6 & 7 Wm. IV., cap. 116, section 61.

Post Roads.

On the application of the Postmaster-General, repairs have been ordered during the past year on post roads situated in the following counties :—

DOWN—*Warrenpoint to Kilkeel.*
DUBLIN—*Dublin to Baltinglass.*
KILDARE—*Newbridge to Kilcullen.*
TIPPERARY—*Cahir to Cappoquin.*
„ *Carrigahorrig to Portumna.*

These repairs are being executed under the superintendence of the respective County Surveyors. The cost of the works is repayable by Grand Jury Presentment at subsequent Assizes.

UNDER "THE RAILWAYS ACTS, IRELAND (1851, 1860, 1864)."

Under the Railways Acts, Ireland (1851, 1860, 1864).

Arbitrations have been applied for, and Arbitrators appointed for the following, viz. :—

Ilen Valley Railway Company—Dunmanway to Skibbereen—Land for Line.
Great Southern and Western Railway Company—Additional Lands required.
Midland Great Western Railway Company—Cattle Market Junction, &c.
Ditto, do. Extension from Enfield to Edenderry.
Midland Great Western, Dublin and Meath, and Navan and Kingscourt Railway Companies—Lands in Meath.
Ballymena, Cushendall, and Redbay Railway Company—Completion of Line.
London and North-Western Railway Company—New Lines and additional powers.
Dublin, Wicklow, and Wexford Railway Company—Additional Lands—Dublin to Bray.
Waterford Corporation—Lands for Water Works.
Burial Board of the Borough of Coleraine—Lands for a new Burial Ground for the Borough of Coleraine.

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Tramways.

TRAMWAYS (IRELAND) ACTS.

23 & 24 Vic., c. 152; 24 & 25 Vic., c. 102; and 34 & 35 Vic., c. 114.

(No application).

Bridges.

BRIDGES.

Wellesley Bridge, Limerick.

This Bridge, which became vested in the Commissioners, by the Act 30 & 31 Vic., cap. 53 (1867), was taken over from the lessees on 20th May, 1868, since which period we have maintained the bridge, paid the interest on the commuted debt of £10,000, including arrears of same from 1st July, 1866, and discharged £1,560 of the principal, reducing it to £8,440.

Ths tolls received during the year amount to £955 against £923 in the previous ysar.

COUNTY SURVEYORS' ASSISTANTS.

Eleven candidates for the office of County Surveyors' Assistants have been examined under the Warrant of the Lord Lieutenant pursuant to the provisions of the Act 6 & 7 William IV., c. 116, and their qualifications certified to the County Surveyors, as follows:—

Counties.	County Surveyors.	Appointments.
County Tipperary, E.R.,	J. Leslie Worrall,	Two Assistants.
" Louth,	John Neville,	One Assistant.
" Londonderry,	A. C. Adair,	Two Assistants.
" Antrim,	Alexander Tate,	"
" Sligo,	C. B. Jones,	"
" Leitrim,	J. B. Pratt,	One Assistant.
" Tyrone,	J. B. French,	"
" Limerick,	W. L'E. Duffin,	"

We have the honour to be

Your Lordships' obedient Servants,

J. G. M'KERLIE,

W. R. LE FANU,

Commissioners of Public Works.

E. HORNSBY, *Secretary,*

Office of Public Works, Dublin,
1st *June*, 1876.

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APPENDIX.

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APPENDIX A.—

(A.)—Abstract of the Accounts of the Commissioners of Public Works in Ireland, showing the Total of

Reference to Account.	Page.	Heads of Account.	Balances on 31st March, 1875.	Received.
			£ s. d.	£ s. d.
A 1	26	Parliamentary Votes and Grants, viz.:— 1. Public Buildings, Royal Harbours, &c., 2. Office of Public Works, 3. Howth Harbour, 4. H.M. Exchequer—Extra Receipts,	10,698 4 5	216,592 14 5
A 2	36	Loans, Advances, and Repayments, viz.:— Loans, 57 Geo. III., c. 64, Public Works Loans, 1 & 2 Wm. IV., c. 33, &c., Arterial Drainage, Labouchere Drainage, Land Improvement, Land Act,	6,942 2 8	465,804 17 4
A 6	36	Land Improvement Preliminaries, 10 Vic., c. 32,	91 0 1	1,350 0 1
A 4	38	District Lunatic Asylums,	744 12 10	9,556 14 10
A 5	38	Miscellaneous Services, viz.:— 1. Deposit Accounts, 1 & 2 Wm. IV., c. 33, 2. Railway and other Arbitrations, 14 & 15 Vic., c. 70, 3. Arterial Drainage Deposits, 26 & 27 Vic., c. 88, 4. Maintenance of Post Roads, 16 & 17 Vic., c. 116, 5. Piers and Harbours, 9 Vic., c. 3, &c., 6. Inland Navigations:—Shannon, " Boyne, 7. Arterial Drainage Maintenance, 29 & 30 Vic., c. 49, 8. River Drainage Works, 5 & 6 Vic., c. 89, 9. Wellesley Bridge, 10. Athlunkard Bridge, 11. National Monuments, 32 & 33 Vic., c. 42, 12. Irish Reproductive Loan Fund, 37 & 38 Vic., c. 86, 13. Sundry Accounts,	8,261 2 11	25,021 10 3
		Total,	26,737 2 11	718,625 16 11
A 6	42	Classified Statement of Loans for Public Works, 1 & 2 Wm. IV., c. 63, &c.,		
A 7	44	Statement of Final Awards under Arterial Drainage Act, 5 & 6 Vic., c. 89, with Repayments thereon, to the 61st March, 1876.		
A 8	50	Do., do., Act, 26 & 27 Vic., c. 68.		

Office of Public Works, Dublin, 10*th May,* 1876.

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ACCOUNTS.

Sums intrusted to their Management for Collection or Disbursement for One Year, ende on 31st March, 1876.

Balances overdrawn 31st March, 1876.	TOTALS.	Overdrawn Balances from Accounts to 31st March, 1875.	Paid.	Balances on 31st March, 1876.	TOTALS.
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
—	227,290 18 10	—	226,958 19 11	331 18 11	227,290 18 10
—	472,747 0 0	—	469,751 17 4	2,995 2 8	472,747 0 0
—	1,441 0 2	—	1,428 11 9	12 8 6	1,441 0 2
—	10,301 7 8	—	9,231 5 6	1,070 2 2	10,301 7 8
—	33,282 13 2	—	26,637 3 4	6,645 9 10	33,282 13 2
—	745,062 19 10	—	734,007 17 10	11,055 2 0	745,062 19 10

W. B. SOADY, *Accountant.*

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An Account, showing the Receipt and Expenditure of the Commissioners

(A 1.)—PARLIAMENTARY

RECEIPT.	£	s.	d.	£	s.	d.	£	s.	d.
Balance from the last Account, ...							10,698	4	5
1. Public Buildings, Ireland.									
Vote for the year 1875–76, ...	177,211	0	0						
Do., do., Supplemental, . . .	4,200	0	0	181,411	0	0			
New Works and Alterations:—									
Contributions in aid of Works—Cork Custom House, .	50	0	0						
Sale of Plant and Materials, ...	12	1	3						
H. M. Customs—Rent of Temporary Offices refunded, .	165	0	0						
National Education Buildings:—									
Contributions in aid of Works—Ordinary Literary Schools,	30	12	3						
				257	13	6			
Maintenance and Repairs:—									
Relodged, ...	0	6	1						
Carried forward, ...	0	6	1	181,668	13	6	10,698	4	5

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of Public Works in the Year ended 31st March, 1876.

VOTES AND GRANTS.

EXPENDITURE.	£ s. d.	£ s. d.	£ s. d.
Balances on Parliamentary Voto, 1875–76, surrendered to H. M. Exchequer, viz.:—			
Public Buildings,	—	10,725 8 10	
Salaries and Incidents of Office,	—	7 6 3	
			10,732 15 1
1. Public Buildings, Ireland.			
New Works and Alterations:—			
Coast Guard Buildings,	18,653 4 11		
Royal Hibernian Military School,	1,718 9 8		
Revenue Buildings, viz:—			
Inland Revenue Office, Dublin, 1 1 6			
Londonderry Custom House, 4,967 0 0			
Limerick Custom House, 183 0 0			
Waterford Custom House, 3,489 16 9			
Cork Custom House, 72 8 0			
Rosslare Customs Station, 210 0 0			
Belfast Post Office, 16 13 6			
Limerick Post Office, 36 11 6			
General Post Office, Dublin, 524 10 6			
Telegraph Hut, Howth, 132 11 8			
	9,633 13 5		
Viceregal Lodge,	99 5 7		
District Probate Registry Office, Armagh,	10 0 0		
Metropolitan Police Buildings,	688 14 3		
Royal Irish Constabulary Buildings, including the Depôt Barracks, Phœnix Park,	18,475 13 4		
Convict Prison, Lusk,	138 8 6		
Central Criminal Lunatic Asylum, Dundrum,	606 7 10		
Royal Dublin Society—Botanic Gardens,	291 5 4		
Royal College of Science,	64 1 11		
Royal Irish Academy,	1 11 0		
National Gallery,	172 11 8		
National Education Buildings:—			
District Model Schools, 183 4 6			
Albert Model Farm, Glasnevin, 9 13 2			
Ordinary Literary Schools, 7,915 2 11			
8,088 0 7			
Contributions in aid of Works returned, 40 0 0			
	8,128 0 7		
Queen's College, Cork,	126 11 0		
General Registry Office,	203 4 6		
Ordnance Survey Office,	2,173 8 3		
		61,184 11 9	
Maintenance and Repairs:—			
Coast Guard Buildings,	4,811 11 9		
Royal Hibernian Military School,	1,621 8 3		
Royal Hospital, Kilmainham,	2,311 5 10		
Customs Buildings throughout Ireland,	1,291 7 10		
Inland Revenue Buildings,	86 1 7		
Post Office and Telegraph Buildings,	2,800 8 8		
Dublin Castle—Residences, &c.,	3,061 13 6		
Viceregal and other Lodges, Gardens, &c., Phœnix Park,	4,539 0 6		
Law Courts and Offices, Dublin,	3,109 12 8		
King's Inns Offices,	107 18 11		
Four Courts' Marshalsea,	0 3 0		
District Probate Registry Offices,	343 18 1		
Metropolitan Police Buildings,	2,209 11 8		
Royal Irish Constabulary Buildings, including the Depôt Barracks, Phœnix Park,	2,683 14 9		
Convict Prisons,	1,815 15 2		
Central Criminal Lunatic Asylum, Dundrum,	892 8 8		
Carried forward,	31,686 0 10	61,184 11 9	10,732 15 1

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An Account showing the Receipt and Expenditure of the Commissioners

(A 1.)—PARLIAMENTARY

RECEIPT—*continued.*	£ s. d.	£ s. d.	£ s. d.
1. Public Buildings—*continued,*	—	181,668 13 6	10,698 4 5
Maintenance and Repairs, brought forward, . . .	0 6 1		
		0 6 1	
Carried forward, . . .		181,668 19 7	10,698 4 5

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of PUBLIC WORKS, in the Year ended 31st March, 1876.

VOTES AND GRANTS—*continued.*

EXPENDITURE—*continued.*		£ s. d.	£ s. d.	£ s. d.
1. PUBLIC BUILDINGS—*continued,*		—	61,184 11 9	10,732 15 1
Maintenance and Repairs, brought forward,		31,686 0 10		
Royal Dublin Society—House, &c., Kildare-street,	596 10 10			
Botanic Gardens,	534 5 1			
		1,130 15 11		
Royal College of Science,		325 10 0		
Geological Survey Office,		3 16 8		
National Education Buildings:—				
Metropolitan Buildings,	1,835 3 0			
Agricultural Model Schools, and Albert Farm, Glasnevin,	1,158 9 0			
District and Minor Model Schools,	1,790 5 1			
Ordinary Literary Schools,	2,576 13 7			
		7,360 10 8		
Royal Irish Academy,		131 4 8		
National Gallery of Ireland,		149 17 4		
Queen's Colleges—Belfast,	163 11 2			
Cork,	497 11 11			
Galway,	342 7 2			
		1,003 10 3		
Public Offices in Dublin,		2,384 4 7		
			44,175 10 11	
RENT AND INSURANCE,		—	3,634 15 7	
FURNITURE AND FITTINGS:—				
Coast Guard Buildings,		33 18 3		
Royal Hibernian Military School,		363 13 11		
Royal Hospital, Kilmainham,		785 8 1		
Customs Buildings throughout Ireland,		497 12 8		
Inland Revenue Buildings,		131 8 8		
Post Office and Telegraph Buildings,		1,358 8 0		
Dublin Castle, Residences, &c.,		2,596 12 2		
Viceregal and other Lodges, Phœnix Park,		1,256 1 0		
Law Courts and Offices, Dublin,		887 3 3		
King's Inns Offices,		36 9 3		
Four Courts' Marshalsea,		1 13 1		
District Probate Registry Offices,		32 11 2		
Metropolitan Police Buildings,		1,377 2 9		
Royal Irish Constabulary Buildings, including the Depôt Barracks, Phœnix Park,		262 9 8		
Convict Prisons,		401 8 10		
Central Criminal Lunatic Asylum, Dundrum,		395 17 7		
Royal Dublin Society—House, &c., Kildare-street,	305 4 1			
Botanic Gardens, Glasnevin,	2 8 6			
		307 12 7		
Royal College of Science,		294 15 7		
Geological Survey Office,		2 18 5		
National Education Buildings:—				
Metropolitan Buildings,	851 11 11			
Agricultural Model Schools, and Albert Model Farm, Glasnevin,	373 7 6			
District and Minor Model Schools,	593 10 11			
		1,818 10 4		
Royal Irish Academy,		45 18 3		
National Gallery of Ireland,		129 1 6		
Queen's Colleges—Belfast,	105 13 6			
Cork,	236 5 7			
Galway,	170 16 6			
		512 15 7		
Public Offices, Dublin,		1,250 5 8		
			14,779 16 3	
Carried forward,		—	123,774 14 6	10,732 15 1

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An Account showing the Receipt and Expenditure of the Commissioners

(A 1.)—PARLIAMENTARY

RECEIPT—*continued.*	£ s. d.	£ s. d.	£ s. d.
1. Public Buildings—*continued,*		181,668 19 7	10,698 4 5
Incidental Expenses :—			
Moiety of expenditure on Island Bridge Weir, payable by county of Dublin, ...	—	12 2 6	
Phœnix Park :—			
Great Southern and Western Railway Company—Cost of repairing Fence, ...	41 5 0		
Relodged, ...	0 15 2		
		42 0 2	
Harbours and Inland Water Navigation :—			
Relodgments, &c., ...	2 5 4		
Carried forward, . . .	2 5 4	181,723 2 3	10,698 4 5

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of Public Works, in the Year ended 31st March, 1876.

VOTES AND GRANTS—*continued.*

EXPENDITURE—*continued.*		£ s. d.	£ s. d.	£ s. d.
1. Public Buildings—*continued,*		—	123,774 14 0	10,732 15 1
Fuel, Light, and Water :—				
Royal Hibernian Military School,		1,254 7 0		
Royal Hospital, Kilmainham,		1,054 6 2		
Customs Buildings throughout Ireland,		578 1 10		
Post Office and Telegraph Buildings,		2,557 2 3		
Dublin Castle—Residences, &c.,		376 17 2		
Viceregal and other Lodges,		395 1 2		
Law Courts and Offices, Dublin,		1,162 19 0		
King's Inns Offices,		117 8 7		
Four Courts' Marshalsea,		22 19 7		
District Probate Registry Offices,		248 7 5		
Metropolitan Police Buildings,		3,407 19 7		
Royal Irish Constabulary Depot Barracks, Phœnix Park,		1,297 0 10		
Convict Prisons,		3,901 7 2		
Central Criminal Lunatic Asylum, Dundrum,		620 16 5		
Royal Dublin Society—House, &c., Kildare-street,	1,091 3 3			
Botanic Gardens,	579 17 5			
		1,671 0 8		
Royal College of Science,		278 13 5		
Geological Survey Office,		22 10 0		
National Education Buildings :—				
Metropolitan Buildings,	1,389 17 5			
Agricultural Model Schools, and Albert Model Farm, Glasnevin,	1,178 8 0			
District and Minor Model Schools,	1,637 2 2			
		4,183 7 7		
National Gallery,		110 15 8		
Public Offices, Dublin,		2,620 3 1		
			25,877 4 7	
Incidental Expenses, Allowances to Overseers, &c.,		—	1,168 14 9	
Phœnix Park :—				
Maintenance of Gate Lodges, Roads, Deer Farm, Flower Garden, &c.,		4,843 0 0		
Salaries of Bailiff, Deerkeeper, Gate-keepers, Constables, &c.		991 8 0		
Incidental expenses, including attendance of Police, Gaslight, Clothing for Constables, &c.,		403 18 2		
Compensatory Works arising out of Great Southern and Western Railway Tunnel,		416 15 8		
			6,655 1 10	
The Curragh of Kildare :—				
Salary and Allowances of Deputy Ranger,		336 8 0		
Salaries of Bailiffs,		252 0 0		
Labour and Incidental Expenses, including Clothing for Bailiffs,		163 9 1		
			751 17 1	
Harbours and Inland Water Navigation :—				
Kingstown Harbour :—				
Salaries of Harbour Master, Superintendent, &c.,	482 7 6			
Boatmen, Watchmen, &c.,	510 13 6			
Incidents and Contingencies, including Gaslight, &c.,	259 17 5			
Rates and Taxes,	100 11 8			
Maintenance and General Repairs, Materials, &c.,	5,547 10 3			
Works at Mail Packet Pier,	758 14 10			
Dredging Works,	1,950 14 11			
		9,590 10 1		
Donaghadee Harbour :—				
Labour, Materials, Incidents, &c.,	246 18 0			
Salary of Harbour Master,	20 0 0			
		266 18 0		
Carried forward,		9,857 8 1	158,227 12 9	10,732 15 1

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An Account showing the Receipt and Expenditure of the Commissioners

(A 1.)—PARLIAMENTARY

RECEIPT—*continued.*	£ s. d.	£ s. d.	£ s. d.
1. Public Buildings—*continued,*	—	181,723 2 3	10,698 4 5
Harbours and Inland Water Navigation— Brought forward,	2 5 4		
		2 5 4	181,725 7 7
2. Office of Public Works, (Class II.):—			
Vote for the year 1875–76,	27,861 0 0		
Do. supplemental,	600 0 0	28,461 0 0	
Law Costs, Stamps, &c., recovered,	23 3 8	23 3 8	28,484 3 8
3. Howth Harbour:—			
Rents,	—	400 5 3	
Dues,	—	508 19 1	
Sale of Materials,	—	1 10 0	
Transferred from "Harbours, &c."	—	750 0 0	1,660 14 4
4. Exchequer—Extra Receipts:—			
Public Buildings:—			
Rents,	243 15 9		
Sale of Materials, &c.,	507 4 6	751 0 3	
Phœnix Park:—			
Grazing Rents,	1,225 14 8		
Sale of Deer, Skins, &c.,	71 11 0	1,297 5 8	
Kingstown Harbour:—			
Dues,	1,896 6 2		
Rent,	287 7 10		
Hire of Diving-dress, &c.,	2 12 0	2,186 6 0	
Donaghadee Harbour:—			
Rents,	—	13 1 0	
Dunmore Harbour:—			
Dues,	16 16 7		
Rents,	15 18 4	32 14 11	
Tyrone Navigation:—			
Tolls,	224 6 0		
Rents,	49 13 9	273 19 9	
Maigue Navigation:—			
Tolls,	—	18 7 8	
Ulster Canal:—			
Tolls,	26 18 8		
Rents,	120 5 2		
Sale of Weeds,	0 2 0	147 5 10	
Salaries and Incidents of Office:—			
Law Costs recovered,	—	2 7 9	4,722 8 10
			227,290 18 10

Office of Public Works, Dublin, 10*th May,* 1876.

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of Public Works, in the Year ended 31st March, 1876.

VOTES AND GRANTS—*continued.*

EXPENDITURE—*continued.*	£ s. d.	£ s. d.	£ s. d.
1. Public Buildings—*continued,*	—	158,227 12 9	10,732 15 1
Harbours and Inland Water Navigation—Brought forward,	9,857 8 1		
Dunmore Harbour :—			
Labour, Materials, Incidents, &c., 694 11 2			
Salary of Harbour Master, 20 0 0			
Rates and Taxes, 3 5 3			
Tyrone Navigation :—	717 16 5		
Labour, Materials, Incidents, &c., 149 4 1			
Salaries of Superintendent, Collectors, Lockkeepers, &c., 227 4 0			
Maigue Navigation :—	376 8 1		
Labour and Materials, 8 1 2			
Salary of Collector, 16 0 0			
Ulster Canal :—	24 1 2		
Labour, Materials, Incidents, &c., 764 3 0			
Salaries of Superintendent, Collectors, Lockkeepers, &c., 460 16 0			
	1,224 19 0		
Piers and Harbours Act, 9 Vic., c. 3; Transfer in aid of Works,	4,854 3 8		
Howth Harbour, ditto,	750 0 0		
		17,804 16 5	
Purchase of Sites for New Buildings,	—	5,232 14 9	
			181,265 3 11
2. Office of Public Works (Class II.):—			
Salaries,	—	24,122 17 5	
Travelling Expenses,	—	3,776 6 9	
Incidental Expenses,	—	269 4 8	
Preliminary Expenses, River Shannon, Act 37 & 38 Vic., cap. 60,	—	244 17 9	
			28,413 6 7
3. Howth Harbour :—			
Labour, Materials, Incidents, &c.,	—	1,600 6 1	
Rates and Taxes,	—	4 1 10	
Salary of Harbour Master,	—	99 7 8	
Plant transferred from Inniskeoffin Pier,	—	38 3 0	
			1,741 18 7
4. Exchequer—Extra Receipts :—			
Kingstown Harbour :—			
Ballast supplied to Shipping,	568 1 7		
Dublin Port and Docks Board—Adjustment of Dues,	100 12 9		
		668 14 4	
Total Payments out of Extra Receipts,	—	668 14 4	
Transferred to H. M. Exchequer,	—	4,137 1 5	
			4,805 15 9
Balance,	—		331 18 11
			227,290 18 10

W. B. Soady, *Accountant.*

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(A 2.)—An Account showing the Receipts and Expenditure of the Commissioners PUBLIC LOANS.

	£ s. d.	£ s. d.	£ s. d.
To Balance, 31st March, 1875,	—	—	6,942 2 8
Loans Advances.			
Public Works, 1 & 2 Wm. IV., c. 33:—			
Amount received from Commissioners of National Debt,	—	168,985 5 6	
Land Improvement, 10 Vic., c. 32, &c.:—			
Amount issued from Consolidated Fund,	—	96,000 0 0	
Land Act, 33 & 34 Vic., c. 46:—			
Amount issued from Consolidated Fund,	—	44,000 0 0	
Total issued for Loans,			308,985 5 6
Loans Repayments.			
1. Public Works Loans:—			
Amounts received under the following Acts, viz.:—			
Loans, 57 Geo. III., c. 34,	180 0 0		
Loans, 1 & 2 Wm. IV., c. 33,	21,624 7 7		
		21,804 7 7	
2. Arterial Drainage:—			
Amount received from Proprietors for Drainage Works, viz.:—			
Drainage Works, 5 & 6 Vic., c. 89, £36,922 15 9			
Drainage Maintenance, 29 & 30 Vic., c. 49, 1,594 14 11			
Drainage Works, 26 & 27 Vic., c. 88, 10,963 17 11			
	49,481 8 7		
3. Labonobere Drainage:—			
Amount received from Proprietors,	—	4 5 8	
4. Land Improvement:—			
Amount received from Proprietors,	73,363 1 0		
Other Receipts,	16 14 2		
		73,379 15 2	
5. Land Act:—			
Amount received from Borrowers,	—	12,149 14 10	
			156,819 11 10
			472,747 0 0

Office of Public Works, Dublin, 10th May, 1876.

(A 3.)—LAND IMPROVEMENT

RECEIPTS.	£ s. d.	£ s. d.
Balance from last Account,	—	91 0 1
Amount received from H. M. Exchequer by way of Loan,	700 0 0	
" " from Proprietors in Repayment of Preliminary Expenses,	650 0 1	
		1,350 0 1
		£1,441 0 2

Office of Public Works, Dublin, 10th May, 1876.

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of Public Works, in the Year ended 31st March, 1876.

ADVANCES AND REPAYMENTS.

	£ s. d.	£ s. d.	£ s. d.
Loans Advances.			
Public Works, 1 & 2 Wm. IV., c. 33:—			
Amount advanced on Loans, viz.:—			
For Public Works Loans, 1 & 2 Wm. IV., c. 33,	10,932 4 10		
For Labourers' Dwellings, 29 & 30 Vic., c. 46,	—		
For Glebe Loans, 33 & 34 Vic., c. 112,	36,732 0 0		
For Public Health Loans, 37 & 38 Vic., c. 93,	97,100 0 0		
For Drainage Maintenance, 29 & 30 Vic., c. 49,	1,686 0 8		
To District Drainage Boards, 26 & 27 Vic., c. 88,	24,350 0 0		
		170,800 5 6	
Land Improvement, 10 Vic., c. 32, &c.:—			
Paid to Proprietors on account of Loans,	—	98,730 0 0	
Land Act, 33 & 34 Vic., c. 46:—			
Paid to Proprietors on account of Loans,	—	43,402 0 0	
Total paid to Borrowers,			312,932 5 8
Loans Repayments.			
1. Public Works Loans:—			
Amounts transferred to H. M. Exchequer, viz.:—			
Loans, 57 Geo. III., c. 34,	180 0 0		
Loans, 1 & 2 Wm. IV., c. 33,	21,624 7 7		
		21,804 7 7	
2. Arterial Drainage:—			
Amount transferred to H. M. Exchequer,	—	*49,481 8 7	
3. Laboucbere Drainage:—			
Amount transferred to H. M. Exchequer,	—	4 5 8	
4. Land Improvement:—			
Amount transferred to H. M. Exchequer,	73,352 6 2		
Other payments,	27 9 0		
		73,379 15 2	
5. Land Act:—			
Amount transferred to H. M. Exchequer,	—	12,149 14 10	
			156,819 11 10
By Balance carried to next account,	—	—	2,995 2 8
			472,747 0 0

* See details under districts, pp. 44 to 51.

W. B. Soady, *Accountant.*

PRELIMINARIES, 1875–76.

EXPENDITURE.	£ s. d.	£ s. d.
Amount paid to Exchequer in Repayment of Advances,	729 0 5	
" paid for Preliminary Investigations, Advertising, Scrivenery, &c.,	699 11 4	
		1,428 11 9
Balance carried to next Account,	—	12 8 5
		£1,441 0 2

W. B. Soady, *Accountant.*

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(A 4.)—LUNATIC

AN ACCOUNT showing the RECEIPTS and EXPENDITURE of the COMMISSIONERS of PUBLIC WORKS, IRELAND (on 1876, pursuant to Act 1 & 2

RECEIPTS.	£ s. d.	£ s. d.	£ s. d.
Balance from last Account,	—	—	744 12 10
Amounts issued from the Consolidated Fund on account of Loans to the following District Asylums :—			
Carlow,	3,000 0 0		
Cork,	500 0 0		
Donegal,	3,000 0 0		
Down,	1,155 5 0		
Maryborough,	46 16 9		
Mullingar,	1,350 9 1		
Sligo,	500 0 0		
		9,552 10 10	
Cloumel, Law Costs recovered,	—	4 4 0	
			9,556 14 10
			10,301 7 8

Office of Public Works, Dublin, 10th May, 1876.

AN ACCOUNT showing the RECEIPT and EXPENDITURE of the COMMISSIONERS

(A 5.)—MISCELLANEOUS

RECEIPT.	£ s. d.	£ s. d.	£ s. d.
Balance from last Account,	—	—	8,261 2 11
1. DEPOSIT ACCOUNTS, 1 & 2 Wm. IV., c. 33, &c. :— Amount received from sundries for Preliminary Expenses,	—	—	500 16 7
2. RAILWAY AND OTHER ARBITRATION EXPENSES, 14 & 15 Vic., c. 70 :— Amount received from Railway Companies and others, to meet Expenses of Arbitration,	—	—	985 3 4
3. ARTERIAL DRAINAGE DEPOSITS, 26 & 27 Vic., c. 88, &c. :— Received from Drainage Boards on Account of Preliminary and other Expenses,	—	—	399 11 9
4. MAINTENANCE OF POST ROADS, 6 & 7 Wm. IV., c. 116 :— Amount received from Consolidated Fund,	—	500 0 0	
Amount received in repayment of advances made for Repairs, &c. :—			
County Cork,	24 10 0		
" Down,	19 6 0		
" Kildare,	277 15 7		
		321 11 7	
			821 11 7
5. PIERS AND HARBOURS :—			
For Repairs pursuant to Act 16 & 17 Vic., c. 136—			
Kilmore Pier, County Wexford,	—	169 5 3	
Tarbert Pier—Advance from H. M. Exchequer,	—	109 9 10	
For New Piers, per Act 9 Vic., c. 3, and 29 & 30 Vic., c. 45—			
Inishboffin Pier—Sale of Plant, &c.,	102 10 7		
do. Contribution,	18 10 0		
do. Grant in aid,	53 17 0		
		174 17 7	
Courtown Pier—Loan from H. M. Exchequer,	—	322 4 10	
Glin Pier—Loan from H. M. Exchequer,	1,000 0 0		
do. Grant in aid,	1,700 0 0		
		2,700 0 0	
Port Oriel Pier—Grant in aid,	—	200 0 0	
Courtmacsberry Pier—Grant in aid,	—	400 6 8	
Giles' Quay Pier—Grant in aid,	2,500 0 0		
Relodgment,	0 0 8		
		2,500 0 8	
			6,576 4 10
Carried forward,	—	—	17,544 11 0

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ASYLUMS' BUILDINGS.

Account of the Commissioners for the Control, &c., of Lunatic Asylums), during the year ended 31st March. Geo. IV., c. 33, &c., &c.

EXPENDITURE.	£ s. d.	£ s. d.	£ s. d.
Amounts expended on the following Buildings, viz.:—			
Carlow,	—	3,116 18 1	
Clare,	—	200 0 0	
Cork,	—	158 19 9	
Donegal,	—	3,380 16 8	
Down,	—	1,265 9 5	
Killarney,	—	133 4 3	
Limerick,	—	10 15 0	
Maryborough,	—	3 2 0	
Mullingar,	—	495 4 6	
Richmond,	—	254 4 6	
Sligo,	—	200 12 10	
Waterford,	—	11 18 6	
			9,231 5 6
Balance,	—	—	1,070 2 2
			£10,301 7 8

W. B. Soady, *Accountant.*

of Public Works, in the Year ended 31st March, 1876.

SERVICES.

EXPENDITURE.	£ s. d.	£ s. d.	£ s. d.
1. Deposit Accounts, 1 & 2 Wm. IV., c. 33, &c.:—			
Amount paid for Preliminary Expenses, &c.,	—	—	507 8 11
2. Railway and other Arbitration Expenses, 14 & 15 Vic., c. 70:—			
Amount paid to Valuators, &c.,	—	—	1,171 6 11
3. Arterial Drainage Deposits, 26 & 27 Vic., c. 88, &c.:—			
Paid for Preliminary Expenses, Arbitrations, &c.,	—	—	620 8 0
4. Maintenance of Post Roads, 6 & 7 Wm. IV., c. 116:—			
Repaid to Her Majesty's Exchequer,	—	321 11 7	
Amount expended for Repairs, viz.:—			
County Cork,	209 8 3		
" Dublin,	97 0 0		
" Down,	122 11 5		
" Tipperary,	69 5 1		
		498 4 9	
			819 16 4
5. Piers and Harbours, for Repairs, pursuant to Act 16 & 17 Vic., c. 136:—			
Kilmore Pier—Repaid to H. M. Exchequer,	300 0 0		
Tarbert do.—Expended in Works,	188 2 2		
		488 2 2	
For New Works per Act 9 Vic., c. 3, & 29 & 30 Vic., c. 45—			
Amount expended on the following Works, viz.:—			
Inishhoffin Pier,	221 15 8		
Inishark, do.	64 7 7		
Courtown do.	310 0 0		
Buncrana do.	5 10 0		
Glin do.	1,389 17 10		
Port Oriel do.	180 0 0		
Courtmacsherry Pier,	559 18 0		
Giles' Quay do.	3,149 18 11		
Rathmullan do.	7 3 0		
Bournapeaka do.	21 8 0		
		5,909 18 10	
			6,398 1 0
Carried forward,	—	—	9,517 1 2

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An Account showing the Receipt and Expenditure of the Commissioners

(A 5.)—MISCELLANEOUS

RECEIPT.	£ s. d.	£ s. d.	£ s. d.
Brought forward,	—	—	17,544 11 0
6. Inland Navigations :—			
Shannon Navigation :—			
Rents,	1,670 2 11		
Tolls,	2,003 0 11		
Sales, &c.,	136 11 0		
		3,809 14 10	
Boyne Navigation :—			
Tolls,	—	291 19 5	
			4,101 14 3
7. Arterial Drainage and Navigation Maintenance, 29 & 30 Vic., c. 49 :—			
Borris-in-Ossory,	—	902 0 4	
Owenabrooka,	—	487 12 10	
Camoge,	—	2 19 8	
Ballinamore and Ballyconnell (Navigation),	—	130 0 0	
Glenariff,	—	300 0 0	
Loughans,	—	10 0 0	
			1,832 12 10
8. River Drainage Works, 5 & 6 Vic., c. 89 :—			
Lough Neagh Drainage, Grazing rents,	—	11 0 0	
			11 0 0
9. Wellesley Bridge :—			
Tolls,	—	955 18 2	
			955 18 2
10. Athlunkard Bridge :—			
Tolls,	—	452 10 0	
			452 10 0
11. National Monuments, 32 & 33 Vic., c. 42 :—			
Maintenance Account, Dividends on Stock,	—	473 16 6	
Preservation Account, "	—	166 11 0	
			640 7 6
12. Irish Reproductive Loan Fund, 37 & 38 Vic., c. 86 :	Dividends and Sale of Stock.	Repayments.	
County Clare,	243 18 7	48 11 10	
" Cork,	978 18 5	203 18 10	
" Galway,	1,106 5 6	177 9 1	
" Kerry,	1,971 0 7	288 10 3	
" Leitrim,	38 11 6	2 14 7	
" Limerick,	70 8 10	—	
" Mayo,	617 19 1	87 9 2	
" Sligo,	389 9 1	54 0 0	
" Roscommon,	149 5 5	—	
" Tipperary,	100 11 10	—	
	5,666 8 10	862 13 9	
			6,529 2 7
Carried forward,	—	—	32,067 16 4

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of Public Works, in the Year ended 31st March, 1876.

SERVICES—*continued.*

EXPENDITURE.	£ s. d.	£ s. d.	£ s. d.
Brought forward,	—		9,517 1 2
6. Inland Navigations:—			
Shannon Navigation:—			
Maintenance and Repairs of Works, &c.,	1,899 6 0		
Salaries (including pay of Inspectors, Collectors, Lock-keepers, &c.) and Incidents,	1,374 18 2		
		3,274 4 2	
Boyne Navigation:—			
Maintenance and Repairs of Works, &c.,	176 0 1		
Salaries of Collectors and Lock-keepers,	165 16 0		
		341 16 1	
			3,616 0 3
7. Arterial Drainage and Navigation Maintenance, 29 & 30 Vic., c. 49:—			
Borris-in-Ossory,	—	1,170 12 2	
Owenabrooka,	—	485 4 10	
Monivea,	—	2 2 6	
Camoge,	—	2 19 8	
Ballinamore and Ballyconnell (Navigation),	—	0 14 0	
Glenariff,	—	89 14 10	
			1,751 8 0
8. River Drainage Works, 5 & 6 Vic., c. 89:—			
Lough Neagh Drainage, County Cess, &c,	—	3 6 6	
Clonakilty Drainage, Wages,	—	19 6 4	
			22 12 10
9. Wellesley Bridge:—			
Maintenance and Repairs,	—	106 12 6	
Salaries of Superintendent, Collectors, &c.,	—	249 12 0	
Repaid to Her Majesty's Exchequer,	—	600 0 0	
			956 4 6
10. Athlunkard Bridge:—			
Salary and Incidents,	—	11 6 0	
Paid to Her Majesty's Exchequer,	—	400 0 0	
			411 6 0
11. National Monuments, 32 & 33 Vic., c. 42:—			
Maintenance Account—			
Invested in 3 Per Cent. Consols,	263 1 1		
Salary and Travelling Expenses of Architect, and Incidents,	213 7 4		
		476 8 5	
Preservation Account—			
Rock of Cashel—Repairs, &c.,	1,025 13 11		
Ardmore Round Tower, do.,	319 5 10		
Glendalough, do.,	120 10 3		
Ardfert do.,	14 0 6		
		1,479 10 6	
			1,955 18 11
12. Irish Reproductive Loan Fund, 37 & 38 Vic., c. 86.			
County Limerick—Invested in purchase of Stock,	140 6 0		
" Roscommon ditto,	140 6 0		
" Tipperary ditto,	140 6 0		
		420 18 0	
" Clare—Loans to Fishermen,	320 0 0		
" Cork ditto,	1,320 0 0		
" Galway ditto,	1,162 0 0		
" Kerry ditto,	2,454 0 0		
" Leitrim ditto,	50 0 0		
" Mayo ditto,	754 0 0		
" Sligo ditto,	482 0 0		
		6,542 0 0	
			6,962 18 0
Carried forward,	—	—	25,193 9 8

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An Account showing the Receipt and Expenditure of the Commissioners

(A. 5.)—MISCELLANEOUS

RECEIPT.	£ s. d.	£ s. d.	£ s. d.
Brought forward,	—	—	32,067 16 4
13. Sundry Accounts :—			
Linen Hall Rents,	—	404 8 7	
Glebe Loans Insurance, Preminms received,	—	59 3 1	
Curragh of Kildare Rents,	—	19 2 0	
House of Industry Hospitals,	—	211 0 1	
Board of Admiralty,	—	25 8 2	
Board of Trade,	—	149 18 4	
Labonchere Drainage, Repayments,	—	4 5 8	
Suspense,	—	341 10 11	
			1,214 16 10
			33,282 13 2

Office of Public Works, Dublin, 10th May, 1876.

(A 6.)—Abstract of Loans made by the Commissioners of Public Works, classified, showing the Total Issues and Repayments

SERVICES, &c.		Total Issues to 31st March, 1876.	REPAYMENTS to 31st March, 1876. Principal.	REPAYMENTS to 31st March, 1876. Interest.
		£ s. d.	£ s. d.	£ s. d.
I. Public Works Loan Fund, Ireland, 1 & 2 Wm. IV., c. 33 :—				
1. Grand Juries of Counties,	Making and Improving Roads, Courthouses, &c.,	653,264 11 8	608,849 13 1	84,519 19 3
2. Do.	Making and Improving Roads, &c., and for Relief Works, 9 Vic., c. 1,	226,349 19 11	69,671 18 1	18,666 3 2
3. Local Boards,	For Improving Townships, &c.,	11,200 0 0	765 0 0	806 16 2
4. Roads and Bridges,	For Roads, Bridges, &c.,	43,700 0 0	30,878 8 1	18,317 9 0
5. Inland Navigation,	Improvements,	59,950 0 0	14,403 1 3	50,143 7 6
6. Public Buildings,	Erection and Completion of Works,	35,000 0 0	33,046 2 1	6,822 14 2
7. Maynooth College,	Additions and Improvements,	18,642 10 0	2,785 0 10	3,110 14 5
8. Railways,	In aid of Construction,	224,886 0 0	157,200 0 0	77,269 1 1
9. Quarries, Mines, &c.,	In aid of sundry Works,	14,550 0 0	14,550 0 0	3,043 4 8
10. Ecclesiastical Commissioners,	Per 6 & 7 Wm. IV., c. 108,	100,000 0 0	100,000 0 0	43,453 11 1
11. Harbours, Docks, &c.,	In aid of Construction,	198,350 0 0	52,459 17 2	139,263 10 5
12. Fishery Piers and Harbours,	Act 9 Vic., c. 3,	47,534 8 7	41,795 18 9	2,171 19 5
13. Labourers' Dwellings in Towns,	Act 29 & 30 Vic., c. 44,	10,480 0 0	430 18 6	893 12 4
14. Glebe Loans,	Act 33 & 34 Vic., c. 112,	108,657 13 4	3,218 11 8	5,210 8 0
15. Public Health,	Act 37 & 38 Vic., c. 93,	97,100 0 0	750 17 10	518 2 11
16. Exchequer Bills issued and afterwards relodged,		3,700 0 0	3,700 0 0	361 14 7
17. River Drainage and Navigation,	Act 5 & 6 Vic., c. 89,	2,082,052 7 3	717,084 0 0	766,529 18 7
18. River Drainage Maintenance,	Act 29 & 30 Vic., c. 59,	14,767 9 0	2,397 10 2	1,244 1 6
19. River Drainage,	Act 26 & 27 Vic., c. 88,	220,028 4 1	21,029 15 7	18,523 11 2
Total Public Works Loan Fund,		4,180,171 3 10	1,875,016 13 1	1,240,859 19 5
II. Employment of the Labouring Poor,	Act 9 & 10 Vic., c. 107, &c.,	4,797,648 12 1	502,700 13 10	87,279 14 2
III. Shannon Navigation,	Act 2 & 3 Vic., c. 61,	294,090 0 0	281,453 7 2	48,460 0 9
IV. Improvement of Lands,	Act 10 Vic., c. 32, &c.:— For Drainage, Farm Buildings, Labourers' Dwellings, Planting for Shelter, Scutch Mills, &c.,	2,602,037 4 4	1,751,836 1 11	770,593 8 2
V. Land Act,	Act 33 & 34 Vic., c. 46 :— Advances to Tenants to purchase their Holdings,	281,752 13 0	12,580 4 3	22,067 4 1
Total,		12,155,699 13 3	4,423,587 0 3	2,169,270 6 7

Office of Public Works, Dublin, 10th May, 1876.

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of Public Works, in the Year ended 31st March, 1876—*continued.*

SERVICES—*continued.*

EXPENDITURE.	£ s. d.	£ s. d.	£ s. d.
Brought forward,	—	—	25,193 9 8
13. Sundry Accounts:—			
Linen Hall, Rents, Salaries, &c.,	192 13 0		
" Transfer to Her Majesty's Exchequer,	500 0 0		
		892 13 0	
Glebe Loans, Insurance, Premiums paid,	—	81 10 9	
House of Industry Hospitals,	—	153 9 0	
Board of Admiralty,	—	33 3 8	
Board of Trade,	—	149 18 4	
Labouchere Drainage, Transfer to H. M. Exchequer,	—	4 5 8	
Island Bridge Waterworks,	—	12 2 6	
Suspense,	—	316 10 9	
			1,443 13 8
			26,637 3 4
Balance,	—	—	6,645 9 10
			33,282 13 2

W. B. Soady, *Accountant.*

Issues and Repayments to the 31st March, 1876, the Amounts remitted, and Balances outstanding; also the within the Year.

	Amounts Remitted.	BALANCES outstanding, 31st March, 1876.		Issued within the Year.	REPAYMENTS within the Year.	
		Principal.	Interest.		Principal.	Interest.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1	—	44,414 18 7	—	3,110 0 0	2,728 3 3	1,653 13 11
2	156,678 1 10	—	—	—	—	—
3	—	10,435 0 0	37 1 2	300 0 0	500 0 0	501 7 5
4	2,971 11 11	9,850 0 0	5,618 10 6	—	—	400 0 0
5	—	55,546 18 9	14,242 12 10	—	—	1,888 15 2
6	1,953 17 11	—	—	—	—	—
7	15,857 9 2	—	—	—	—	—
8	—	67,666 0 0	656 17 4	4,700 0 0	—	2,885 7 9
9	—	—	—	—	—	—
10	—	—	—	—	—	—
11	88,186 3 3	77,703 19 7	7,646 7 10	1,500 0 0	1,759 18 10	2,378 13 1
12	—	5,738 9 10	—	1,322 4 10	781 0 1	210 2 2
13	—	10,029 1 6	—	—	192 11 9	402 6 2
14	—	105,439 1 8	—	36,732 0 0	1,590 1 8	2,483 7 7
15	—	96,349 2 2	—	97,100 0 0	750 17 10	518 2 11
16	—	—	—	—	—	—
17	1,196,795 12 3	168,172 15 0	228 0 1	—	29,814 15 1	7,108 0 8
18	—	12,369 18 10	16 13 5	1,686 0 8	1,038 12 6	556 2 5
19	—	198,996 8 6	192 0 6	24,350 0 0	5,808 8 2	5,155 9 9
	1,442,442 16 4	862,711 14 5	28,636 3 8	170,800 5 6	44,964 7 2	26,141 9 0
	4,294,947 18 3	—	—	—	—	4 5 8
	—	12,836 12 10	—	—	—	—
	—	850,201 2 5	—	98,730 0 0	46,828 13 10	26,523 12 4
	—	269,172 8 9	—	43,402 0 0	3,462 11 10	8,687 3 0
	5,737,390 14 7	1,994,721 18 5	28,636 3 8	312,932 5 6	95,255 12 10	61,356 10 0

W. B. Soady, *Accountant.*

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(A 7.) ARTERIAL

SCHEDULE.—ABSTRACT of FINAL AWARDS, and Repayments

Districts.	Counties.	Date when Awards made final.	Area of Catchment, or Rain Basin.	Area of Flooded or Injured Lands, which have been Drained or Improved Statute Measure	Cost per Acre of the Drainage, including Interest, &c.	Increase in the Annual Letting Value of these Lands, caused by Drainage.	Amount of Instalments payable half-yearly, to repay Cost with Interest.
			Stat. Acres.	A. R. P.	£ s. d.	£ s. d.	£ s. d.
Ardee,	Louth and Meath,	18 Sept., 1854,	78,000	3,252 0 11	6 12 0	1,751 19 4	Paid off.
Annagh (*Supplemental, 25th October*, 1854),	Galway,	29 April, 1852,	13,120	007 0 09	4 4 1	339 2 9	99 9 6
Blackwater,	Meath and Kildare,	16 March, 1849,	50,000	3,827 2 18	2 16 8	1,034 7 9	Paid off.
Borrisokane (*Supplemental, 5th March*, 1855),	Tipperary,	29 April, 1852,	20,550	1,517 0 09	3 5 4	505 19 5	156 2 1
Borris-in-Ossory,	Tipperary and Queen's,	27 Sept., 1854,	35,840	3,624 3 27	5 5 1	1,085 18 2	865 11 2
Boyne,	Kildare, Meath, Westmeath, and King's,	21 April, 1855,	304,189	6,779 1 18	7 13 0	1,358 15 1	745 2 8
Ballybay,	Roscommon,	1 October, 1850,	3,300	414 3 27	1 18 11	124 0 8	Paid off.
Broans, (*Ferbane div.*)	Westmeath and King's,	18 April, 1860,	389,120	11,008 0 30	8 18 4	2,871 0 11	1,359 14 0
Ballycasey (*Supplemental, 23rd February*, 1855),	Tipperary,	17 October, 1851,	7,880	753 3 6	4 13 0	225 12 8	68 13 1
Ballinhassig,	Cork,	13 „ „	23,500	1,452 3 5	5 0 2	447 8 10	212 19 2
Ballinderry,	Westmeath and King's,	30 April, 1850,	1,658	311 0 38	6 12 5	112 8 6	Paid off.
Ballyteige,	Wexford,	20 June, 1855,	26,752	2,993 0 2	14 10 5	1,183 14 8	547 19 11
Ballycowan,	Kildare,	16 „ 1849,	1,000	215 2 29	2 19 6	58 17 3	Paid off.
Broadlough (*Supplemental, 10th January*, 1856),	Mayo,	26 October, 1850,	1,000	198 3 19	5 11 8	78 10 3	Paid off.
Boley (*Supplemental 8th April*, 1857)	Galway,	17 „ 1851,	3,500	683 0 4	3 0 11	188 18 11	Paid off.
Ballinakill,	Meath,	26 „ 1850,	1,350	430 6 3	2 9 10	129 15 8	Paid off.
Boardsmill,	Meath,	26 „ „	6,350	1,428 3 12	2 9 2	428 2 1	Paid off.
Ballinaskea and Castlerickard,	Meath,	26 „ „	3,900	738 0 20	2 15 2	205 7 11	Paid off.
Balla,	Mayo,	6 April, 1857,	60,720	1,759 2 20	9 18 10	228 15 3	112 6 11
Ballynahown,	Westmeath and King's,	14 „ 1852,	15,000	2,032 2 26	3 2 10	602 6 8	Paid off.
Ballinamore and Ballyconnel, (*Navigation, Drainage, and Water power*)	Cavan, Fermanagh, Leitrim, and Roscommon,	10 January, 1830,	101,455	–	–	–	Paid off.
	Cavan, Fermanagh, and Leitrim,	6 March, „		6,379 1 64	8 0 8	1,748 16 10	839 9 6
		6 „ „		3 2 5	–	–	25 15 10
Burren,	Carlow and Kildare,	29 October, 1852,	40,000	3,008 0 6	3 0 1	2,589 10 9	629 12 2
Cahore (*Supplemental, 28th February*, 1857),	Wexford,	13 „ 1851,	7,000	617 1 24	6 18 4	240 6 2	38 4 7
Cappagh,	Galway,	27 March, 1857,	34,856	2,577 3 27	3 6 1	495 4 1	232 15 6
Camoge,	Limerick,	22 „ 1852,	61,184	1,412 0 7	3 1 7	646 8 6	Paid off.
Clonakilty,	Cork,	5 Sept., 1854,	2,000	292 0 60	36 19 2	–	394 11 1
Cork Slob,	Cork, County of City of,	29 April, 1852,	330	214 0 20	27 13 0	573 6 10	Paid off.
Carriggowar (*Supplemental, 22nd October*, 1851),	Wicklow,	30 „ 1850,	12,000	592 0 31	5 5 10	274 16 9	Paid off.
Carrigans,	Donegal,	26 October, 1840,	3,300	634 2 18	3 16 6	217 3 8	Paid off.
Curraunboy (*Supplemental, 10th January*, 1856),	Mayo,	26 „ 1850,	200	46 0 61	5 16 4	19 6 0	Paid off.
Castlebar Lakes (*Supplemental, 7th March*, 1855),	Do.,	29 April, 1851,	1,500	185 2 27	9 2 9	85 19 1	Paid off.
Cuilmore (*Supplemental, 10th January*, 1856),	Do.,	28 October, 1850,	500	57 3 8	5 6 8	21 18 0	Paid off.
Cameloon,	Mayo,	26 „ 1850,	400	72 0 37	2 18 7	27 9 8	7 8 1
Carbury Mill-stream,	Kildare,	19 „ 1849,	1,600	193 0 20	3 1 8	44 10 9	Paid off.
Carrowmore Lake (*Supplemental, 61st March*, 1856),	Mayo,	30 April, 1850,	800	199 2 30	3 19 2	54 18 5	Paid off.
Clonlost,	Westmeath,	16 October, 1851,	3,500	648 2 5	3 7 9	177 14 5	Paid off.
Castlebernard,	King's County,	60 „ 1856,	38,000	2,499 3 27	8 17 3	700 1 3	337 0 0
Cavetown,	Roscommon,	29 April, 1852,	8,000	309 0 37	6 5 0	117 1 8	55 18 6
Curragha,	Meath and Dublin,	60 „ 1850,	2,500	407 3 32	3 2 0	122 6 7	Paid off.
Croghan,	Roscommon,	29 „ 1852,	8,000	347 2 1	4 1 0	277 11 6	118 14 7
Castlemartyr,	Cork,	20 October, 1854,	12,960	1,114 1 5	6 1 8	383 7 4	161 1 1
Coolaney,	Sligo,	29 April, 1852,	90,744	792 3 18	5 16 3	241 2 7	119 3 0
Crosslough,	Mayo,	8 „ 1855,	399	91 0 85	4 9 0	85 17 1	12 2 1

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DRAINAGE.—5 & 6 Vic., c. 89.

thereon, for the Year ending 31st March, 1876.

Total Amount of Expenditure, for all purposes.	Free Grants and Remissions.	Portion of Total Expenditure charged to Counties for Public Works	Portion of Total Expenditure charged on Lands.	No. of half-yearly instalments or payment periods and interest.	Repayments. Total 31st March, 1875.	Repayments. For year ending 31st March, 1876.	Repayments. Total.	Districts.
£ s. d.	£ s. d.	£ s. d.	£ s. d.		£ s. d.	£ s. d.	£ s. d.	
22,280 6 8	11,004 8 2	1,355 5 1	9,920 12 5	–	14,498 1 2	–	14,498 1 2	Ardee.
4,034 5 10	813 13 1	220 12 9	3,000 0 0	35	4,416 17 1	–	4,416 17 1	Annagh.
12,115 10 0	–	1,839 15 9	10,276 0 0	–	16,178 16 3	–	16,176 16 6	Blackwater.
10,038 17 11	3,009 17 11	529 0 0	6,500 0 0	48	9,212 10 2	317 0 7	9,529 10 9	Borriscokane.
20,020 5 1	9,049 8 8	970 16 5	10,000 0 0	40	15,199 13 7	–	15,199 13 7	Borris-in-Ossory.
56,980 11 0	29,000 0 0	6,124 18 10	22,855 12 2	48	34,359 5 11	1,345 14 3	35,715 0 2	Boyne.
848 17 4	–	41 0 2	607 11 2	–	1,101 13 6	–	1,101 13 6	Ballybay.
107,667 8 8	68,117 8 8	–	39,540 0 0	44	41,599 11 0	2,406 2 10	44,005 13 10	Brosna (*Ferbane div.*).
3,805 3 2	619 9 10	135 13 4	3,000 0 0	48	4,131 4 6	114 4 2	4,245 8 8	Ballycasey.
7,844 17 1	–	568 8 9	7,276 8 4	60	10,918 10 9	257 1 11	11,175 12 8	Ballinhassig.
1,262 9 10	–	136 1 3	1,126 8 7	–	1,629 16 2	–	1,629 16 2	Ballinderry.
43,526 15 3	26,660 0 3	58 0 0	16,808 15 0	48	21,310 10 0	899 8 3	22,209 18 3	Ballyteige.
729 3 2	–	87 9 10	541 18 4	–	963 18 8	–	963 18 8	Ballycowan.
1,241 16 9	206 1 3	135 15 6	900 0 0	–	1,181 1 1	–	1,181 1 1	Broadlough.
2,220 14 2	780 14 7	139 19 7	1,300 0 0	–	1,758 3 8	–	1,758 3 8	Boley.
1,167 4 7	–	96 14 3	1,073 10 4	–	1,571 10 6	–	1,571 10 6	Ballinskill.
4,191 6 8	–	677 19 10	3,513 5 5	–	5,619 12 3	–	6,619 12 3	Boardsmill.
2,223 11 7	–	187 4 1	2,036 7 6	–	3,158 8 7	–	3,158 8 7	Ballinaskea & Castlerickard.
13,216 15 2	13,597 9 3	719 5 11	3,900 0 0	00	4,805 11 0	194 8 0	4,999 17 0	Balla.
6,892 7 8	–	503 17 7	6,388 9 8	–	9,025 2 11	–	9,025 2 11	Ballynahown.
228,651 10 5	198,651 10 5	30,000 0 0	–	–	30,000 0 0	–	30,000 0 0	Ballinamore and Ballyconnel (*Navigation, Drainage, and Water-power.*)
53,723 5 7	20,293 0 6	2,268 5 1	24,412 0 0	44	29,202 9 6	1,270 14 8	30,473 4 2	
–	–	–	750 0 0	–				
20,079 9 11	–	1,683 19 9	24,395 11 2	–	35,170 0 5	–	35,170 0 5	Burren.
4,315 14 11	1,020 3 5	45 11 6	3,250 0 0	35	3,893 14 5	–	3,893 14 5	Cahore.
16,205 8 1	8,729 8 1	396 0 0	7,140 0 0	48	8,722 12 9	423 19 4	9,146 12 1	Cappagh.
4,437 11 9	–	90 17 11	4,346 13 10	–	5,840 7 3	–	5,840 7 9	Camoge.
11,734 5 10	–	32 1 3	11,702 4 7	–	32 1 3	2,000 0 0	2,032 1 3	Clonakilty.
5,920 7 11	–	–	5,920 7 11	–	8,144 16 11	–	8,144 16 11	Cork Slob.
3,237 8 4	789 10 9	102 10 7	2,344 18 0	–	3,054 7 10	–	3,054 7 10	Carriggower.
2,475 7 10	–	141 5 8	2,334 2 7	–	3,552 14 11	–	3,552 14 11	Carrigans.
295 5 7	68 16 3	26 9 4	200 0 0	–	241 10 5	–	241 16 5	Curraunboy.
1,708 6 4	1,419 3 2	11 16 7	277 7 7	–	310 19 7	–	310 19 7	Castlebar Lakes.
326 13 6	258 18 9	18 8 10	49 5 11	–	119 9 4	–	119 8 4	Cuilmore.
602 13 6	–	388 13 1	214 0 4	–	682 19 9	–	682 19 3	Cameloon.
637 10 10	–	34 18 3	602 12 7	–	914 11 2	–	914 11 2	Carbury Mill-stream.
796 12 1	297 5 0	6 7 1	493 0 0	–	649 10 7	–	649 10 7	Carrowmore Lake.
2,406 14 8	–	209 9 5	2,197 4 10	–	3,344 14 3	–	3,344 14 3	Clonlost.
22,302 9 6	12,408 11 11	93 17 7	9,800 0 0	44	12,424 0 1	673 11 0	13,097 11 1	Castlebernard.
1,933 13 5	–	–	1,933 16 5	–	2,569 1 3	110 16 11	2,679 18 2	Cavetown.
1,254 5 0	–	–	1,264 5 9	–	1,877 18 6	–	1,877 18 6	Curragha.
3,540 0 6	–	108 9 6	3,431 11 1	44	5,233 5 9	–	5,233 5 9	Croghan.
7,389 19 6	1,836 13 1	613 3 6	4,940 0 0	48	7,169 14 1	323 3 3	7,492 17 4	Castlemartyr.
4,625 0 0	–	–	4,625 0 0	76	6,005 12 10	192 6 6	6,197 18 4	Coolaney.
405 1 2	53 1 2	–	352 0 0	44	509 9 9	1 12 10	511 2 7	Crossloughs.

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SCHEDULE.—ABSTRACT of FINAL AWARDS, and Repayments

Districts.	Counties.	Date when Awards made final.	Area of Catchment, or Rain Basin.	Area of Flooded or Injured Lands, which have been Drained or Improved. Statute Measure.	Cost per Acre of the Drainage, including Interest, &c.	Increase in the Annual Letting Value of these Lands, caused by Drainage.	Amount of Instalments payable half-yearly, to repay Cost with Interest.
			Stat. Acres.	A. R. P.	£ s. d.	£ s. d.	£ s. d.
Dungolman (*Supplemental*, 10th *April*, 1858)	Westmeath and Longford,	29 Sept., 1852,	28,000	2,225 0 8	4 12 1	929 1 6	Paid off.
Deel,	Meath and Westmeath,	18 October, 1854,	64,000	4,499 3 36	4 3 0	1,584 8 9	Paid off.
Dunkellin,	Galway,	7 Sept., 1857,	88,320	5,565 0 31	7 11 5	1,094 15 0	527 10 8
Derryiin,	Fermanagh,	19 Dec., 1855,	8,000	187 0 4	4 4 3	49 9 11	Paid off.
Drumbominy,	Do.,	30 April, 1850,	1,000	134 2 5	2 9 7	36 11 6	Paid off.
Drumcliff,	Sligo and Leitrim,	29 „ 1852,	14,294	647 0 11	5 18 11	207 11 1	69 5 6
Dunmore,	Galway, Mayo, & Roscommon	26 „ 1859,	66,161	4,837 1 10	10 15 8	1,051 1 11	480 0 6
Dunmoran (*Supplemental*, 30th *September*, 1858),	Sligo,	29 „ 1852,	7,680	881 0 35	5 4 11	282 10 4	65 17 4
Derryholmes,	King's,	24 „ „	22,400	5,600 1 0	1 3 11½	958 1 4	Paid off.
Eslin,	Leitrim,	12 „ „	19,840	2,639 3 5	4 1 8	886 15 1	396 11 2
Fane (*Supl.*, 1st *July*, 1854),	Louth,	20 Sept., 1851,	87,400	1,521 3 28	4 15 0	533 2 7	205 6 10
Fergus,	Clare and Galway,	30 October, 1860,	134,400	7,861 2 20	9 3 6	1,752 9 3	845 18 10
Foranwell,	Kildare,	29 „ 1851,	8,600	955 1 35	3 11 3	283 1 11	Paid off.
Glyde { Lands, Mills,	Louth, Meath, Cavan, and Monaghan,	27 „ 1855,	176,813	{ 6,789 0 38 0 2 6	8 11 11 –	1,904 17 0 –	863 2 5 7 16 11
Gorteen,	Kildare,	16 June, 1849,	7,170	1,440 0 12	2 7 0	438 6 2	Paid off.
Garr,	Do.,	1 October, 1850,	3,600	944 0 29	3 12 8	282 10 8	Paid off.
Glenarriff (*Red Bay*),	Antrim,	30 „ 1851,	9,200	526 0 30	6 7 2	214 12 4	105 13 0
Headford,	Leitrim,	16 Sept., 1850,	3,520	304 1 20	3 0 8	144 10 9	Paid off.
Hind River { *Drainage, Navigation abandoned*,	Roscommon,	11 July, 1856,	16,000	2,966 2 32	6 11 3	763 8 5	366 4 8
Hermitage,	Kildare,	16 June, 1849,	800	150 1 38	1 16 5	26 13 11	Paid off.
Inny,	Longford and Westmeath,	13 October, 1859,	231,116	6,850 1 0	8 7 8	1,400 9 5	625 2 0
Kilmannock, (*Supplemental*, 18th *August*, 1854),	Wexford,	26 „ 1849,	8,532	509 1 12	19 6 3	703 0 1	Paid off.
Kilimor { Lands, Mills,	Galway,	20 March, 1856,	46,341	{ 6,344 3 15 1 2 9	8 6 1 –	1,509 18 1 –	722 2 11 3 1 9
Kilmaine (*Supplemental*, 13th *March*, 1855),	Do.,	–					
Kilbeggan { Lands, Mills,	Mayo,	29 April, 1851,	10,000	1,129 3 30	9 10 3	622 12 5	185 11 10
Kilbride,	Westmeath and King's,	15 October, 1857,	88,030	5,498 2 15	5 9 0	975 0 9	} Paid off. {
Kilmurry,	Do.,	–	–	15 2 4	–	–	
Kill,	Kilkenny and Tipperary,	8 „ 1855,	8,000	2,158 0 15	3 11 9	505 14 8	Paid off.
Kilcock,	Meath,	30 July, 1849,	2,000	369 1 22	2 7 9	143 10 1	Paid off.
Kinmeen,	Cavan,	17 August, 1855,	17,000	635 3 0	4 8 0	101 6 2	36 11 1
Kilmaganny,	Meath,	16 Sept., 1850,	3,230	491 8 11	3 13 4	196 4 1	67 15 1
Keenagh,	Fermanagh,	2 „ „	1,000	87 3 31	2 15 7	28 2 9	Paid off.
Lough Allock (*Supplemental*, 30th *September*, 1858),	Kilkenny,	13 „ 1855,	18,000	2,821 2 0	3 15 5	499 8 5	228 4 8
Longford,	Longford,	7 April, 1858,	18,000	1,758 3 0	6 0 5	317 15 2	153 0 6
Lorrha (*Supplemental*, 29th *April*, 1857),	Mayo,	30 „ 1850,	6,064	921 2 30	2 19 10	240 19 7	Paid off.
Loughnasaggart,	Longford,	12 „ 1859,	72,320	8,972 2 29	10 13 11	1,500 7 9	825 17 2
Lough Gara and Mantua,	Tipperary,	8 October, 1850,	8,900	1,057 1 13	3 5 8	335 7 9	Paid off.
Loughs Oughter and Gowna, &c., { *Drainage, Navigation abandoned*,	Meath and Westmeath,	5 Sept., 1849,	2,500	193 1 38	3 9 9	59 11 4	Paid off.
Loughans,	Mayo, Roscommon, & Sligo,	28 April, 1858,	128,000	4,719 2 20	5 3 11	757 5 2	366 4 8
Lough Neagh { *Navigation, Drainage, and Water-power*,	Cavan, Leitrim, & Longford,	20 October, 1850,	250,480	10,537 2 8	10 8 4	2,505 14 4	1,206 8 2
	Kilkenny,	26 Sept., 1854,	3,500	548 1 2	7 8 8	214 4 4	65 16 0
	Antrim, Armagh, Down, Londonderry, and Tyrone,	18 Feb., 1859, 4 April, „	1411820	{ 29597 2 32 –	– 5 14 0 –	– 9,879 8 8 –	Paid off. 3,782 13 5 12 8 2

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thereon, for the Year ending 31st March, 1876—*continued.*

Total Amount of Expenditure, for all purposes.	Free Grants and Remissions.	Portion of Total Expenditure charged to Counties for Public Works.	Portion of Total Expenditure charged on Lands.	No. of half-yearly instalments, by way of principal and interest.	Repayments. Total 31st March, 1875.	Repayments. For year ending 31st March, 1876.	Repayments. Total.	Districts.
£ s. d.	£ s. d.	£ s. d.	£ s. d.		£ s. d.	£ s. d.	£ s. d.	
10,587 1 10	2,251 9 4	385 12 9	8,000 0 0	–	10,870 6 2	–	10,870 5 2	Dungolman.
20,783 12 7	4,980 15 3	2,096 17 4	13,700 0 0	–	19,721 17 4	–	19,721 17 4	Deel.
42,959 12 9	25,798 3 2	826 9 7	15,340 0 0	44	10,394 16 5	1,013 19 10	20,408 16 4	Dunkellin.
787 14 0	487 14 0	–	300 0 0	–	399 16 5	–	399 16 5	Derrylin.
333 8 9	–	–	333 8 9	–	454 2 9	–	454 2 0	Drumbeminy.
4,070 7 0	–	224 7 8	3,846 0 1	76	4,812 14 1	193 9 0	5,006 3 1	Drumcliff
53,008 19 10	37,159 9 9	1,740 10 1	15,000 0 0	48	17,378 3 1	1,009 7 1	18,387 10 2	Dunmore.
4,736 15 0	1,322 14 8	110 0 10	3,301 0 0	33	4,976 8 6	–	4,976 8 6	Dunmoran.
7,196 4 6	–	467 10 7	6,768 7 11	–	8,892 19 1	–	8,892 19 1	Derryholmes.
11,356 6 3	–	577 16 2	10,778 10 1	–	14,460 4 7	–	14,460 4 7	Eslin.
8,155 15 6	1,000 0 0	926 8 1	6,229 12 5	–	10,200 3 1	–	10,200 3 1	Fane.
68,010 8 8	42,977 7 0	433 1 8	24,000 0 0	44	25,469 5 10	1,500 9 5	26,969 15 3	Fergus.
8,475 1 8	–	67 2 7	3,407 19 1	–	5,054 4 0	–	5,054 4 0	Foranwell.
47,899 18 10 –	22,806 18 10 –	2,893 0 0 –	22,000 0 0 200 0 0	30	34,138 17 3	–	34,138 17 3	Glyde.
3,526 4 11	–	139 10 4	3,380 14 7	–	4,567 1 6	–	4,567 1 6	Gorteen.
8,816 12 8	–	355 12 6	3,461 0 2	–	5,663 4 3	–	5,663 4 3	Garr.
3,345 4 4	–	–	3,345 4 4	56	4,537 3 9	166 15 2	4,703 18 11	Glenariff.
1,010 12 0	–	87 10 9	923 2 0	–	1,298 8 11	–	1,296 8 11	Headford.
21,101 13 2	6,040 17 1	1,410 10 1	10,950 0 0	44	14,703 18 2	614 19 5	15,318 17 7	Hind River.
286 10 1	–	13 5 10	273 10 3	–	414 0 9	–	414 0 9	Hermitage.
58,208 3 3	43,446 18 7	761 4 8	14,000 0 0	30	18,756 19 3	–	18,756 19 3	Inny.
9,836 13 7	2,000 0 0	–	7,836 13 7	–	10,343 6 1	–	10,343 6 1	Kilmannock.
55,040 17 10 –	31,593 19 3 –	2,357 1 7 –	21,000 0 0 90 0 0	44	30,221 5 11	1,275 2 10	31,499 8 0	Killimer.
10,990 10 1	3,747 5 2	243 4 11	7,000 0 0	40	10,622 2 5	25 0 0	10,647 2 5	Kilmaine.
20,059 8 7 –	19,818 9 4 –	– –	8,850 15 0 1,290 4 3	–	12,713 16 2	–	12,713 16 2	Kilbeggen.
8,058 3 5	3,725 14 8	332 8 9	4,000 0 0	–	5,567 17 4	–	5,567 17 4	Kilbride.
968 13 3	–	55 14 9	862 18 6	–	1,286 5 5	–	1,286 5 5	Kilmurry.
2,799 4 7	1,799 4 7	–	1,000 0 0	40	1,265 4 10	22 5 9	1,286 10 7	Kill.
1,880 3 9	61 0 4	17 14 0	1,801 9 6	–	2,082 11 9	–	2,682 11 9	Kilcock.
244 10 4	–	–	244 10 4	–	333 6 10	–	333 3 10	Kinmeen.
10,984 13 10	3,547 6 0	337 7 10	7,000 0 0	48	8,496 19 10	253 0 7	8,749 11 5	Kilmaganny.
10,829 6 7	6,140 3 11	239 2 8	4,450 0 0	44	5,309 6 2	240 7 10	5,549 16 0	Keenagh.
4,110 19 1	1,997 11 2	122 7 11	2,000 0 0	–	2,782 4 9	–	2,762 4 9	Lough Alick.
44,924 13 7	24,299 2 7	2,425 11 0	18,200 0 0	44	22,634 14 1	1,121 12 5	23,756 6 0	Longford.
3,504 19 8	649 19 3	55 0 0	2,800 0 0	–	3,780 12 3	–	3,780 12 8	Lorrha.
683 14 6	–	9 6 0	674 8 6	–	839 16 8	–	839 16 8	Loughnasaggart.
24,797 4 8	14,111 6 4	35 18 4	10,650 0 0	44	12,435 17 9	807 7 9	13,244 5 6	Lough Gara and Mantua.
111,171 18 9	74,784 0 2	1,312 18 7	35,075 0 0	44	39,406 5 7	2,257 8 1	41,666 13 8	Loughs Oughter, Gowna, &c.
4,167 7 4	2,273 7 4	94 0 0	1,800 0 0	40	2,637 10 11	–	2,637 10 11	Loughans.
106,174 10 4 158,565 4 6 357 17 10	69,077 17 10 40,051 10 6 –	37,096 12 6 8,516 14 0 Mills,	– 110,000 0 0 357 17 10	– 44 44	37,096 12 0 130,110 1 0	– 7,161 4 0	37,096 12 0 137,271 5 9	Lough Neagh, *Navigation, Drainage, and Water-power.*

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SCHEDULE.—ABSTRACT OF FINAL AWARDS, and Repayments

Districts.	Counties.	Date when Awards made final.	Area of Catchment, or Rain Basin.	Area of Flooded or Injured Lands, which have been Drained or Improved. Statute Measure.	Cost per Acre of the Drainage, including Interest, &c.	Increase in the Annual Letting Value of these Lands, caused by Drainage.	Amount of Instalments payable half-yearly, to repay Cost with Interest.
			Stat. Acres.	A. R. P.	£ s. d.	£ s. d.	£ s. d.
Leeshorough,	Monaghan,	20 Dec., 1855,	11,922	728 2 27	8 0 3	221 11 9	103 3 3
Lough Crew,	Meath,	15 Oct., 1861,	2,393	489 0 34	5 3 1	140 4 8	89 2 8
Lough Dalia (*Supplemental*, 10th *October*, 1861),	Mayo,	29 „ „	4,500	983 0 15	2 13 10	281 18 2	Paid off.
Lavally,	Galway,	27 „ 1858,	28,130	1,940 2 0	7 19 2	304 9 8	146 3 0
Lough Mask and River Robe } *Navigation abandoned, Drainage,*	Mayo and Galway,	14 Jan., 1858,	225,000	5,805 0 13	10 13 5	625 10 0	302 1 3
Loughs Corrib, Mask, and Carra, } *Navigation, Drainage, and Mill-Power,*	County of the Town of Galway, and Counties of Galway and Mayo,	30 June, 1859, . 29 Sept., „ . 4 April, 1860, .	780,000	– 5,032 2 4 26 1 19	– 22 19 10 –	– 1,801 4 2 –	Paid off 835 14 1 480 11 0
Lisduff,	Galway,	18 October, 1851,	2,400	498 1 11	3 2 0	112 13 8	48 7 2
Lough Lannagh,	Mayo,	7 April, 1857,	21,440	1,750 2 5	9 15 9	241 13 5	117 19 0
Moyour (*Supplemental*, 12th *April*, 1856),	Do.,	23 October, 1850,	6,000	1,040 3 11	7 8 5	553 8 4	Paid off.
Mullafarry (*Supplemental*, 10th *October*, 1861),	Do.,	30 April, „	2,210	328 0 15	2 12 4	117 5 1	Paid off.
Miles and Templebryan,	Cork,	29 „ 1852,	10,285	259 1 29	3 2 0	94 14 2	45 15 2
Mullawn (*Supplemental*, 10th *January*, 1856),	Mayo,	28 October, 1856,	400	74 3 13	4 9 2	29 11 1	Paid off.
Maghera,	Down,	30 „ 1851,	19,000	393 1 22	3 11 0	147 3 5	Paid off.
Moyne and Crossapatrick (*Supplemental*, 10th *October*, 1861),	Mayo,	30 April, 1850,	800	96 1 32	7 0 11	50 16 10	Paid off.
Monivea,	Galway,	24 „ 1857,	54,000	1,481 0 0	10 11 7	305 7 4	140 9 9
Nobber,	Meath,	20 Sept., 1851,	40,000	1,357 1 3	3 3 11	586 13 2	Paid off.
Oranhill (*Supplemental*, 13th *February*, 1857),	Galway,	4 April, 1849,	Unknown, being in cavernous limestone.	974 0 13	3 15 7	315 10 1	Paid off.
Owenabrockagh (*Supplemental*, 13th *March*, 1855),	Mayo,	23 October, 1850,	6,000	370 0 35	8 1 3	224 1 6	Paid off.
Owenkeagh,	Cork,	30 April, „	15,700	393 2 15	3 1 4	99 9 10	41 15 1
Quin,	Clare,	25 October, 1854,	37,120	4,305 0 20	4 8 1	1,032 15 3	456 8 6
Red Bog,	Meath,	6 Sept., 1849,	3,000	241 2 8	3 14 4	75 8 5	Paid off.
Rath, or Clooneen (*Supplemental*, 31st *March*, 1856),	Longford and Westmeath,	30 „ 1852,	15,000	1,157 3 35	5 4 10½	401 13 10	167 8 11
Ratoorugh,	Cork,	13 October, 1851,	2,780	244 1 0	3 13 0	51 7 11	23 9 1
Rinn and Blackriver,	Leitrim and Longford,	23 April, 1850,	74,000	4,305 2 20	8 12 10	1,070 5 2	515 13 5
Strokestown,	Roscommon,	11 July, 1858,	70,000	7,478 2 21	5 8 8	1,794 17 10	741 5 4
Shrule,	Mayo and Galway,	15 April, 1857,	27,000	3,207 0 5	0 4 10	443 19 10	215 15 2
Shinrona (*Supplemental* 31st *Mar* 1856), Lands, Mills,	King's and Tipperary,	23 „ 1853,	35,840	1,283 3 7 3 1 0	3 0 11½ –	434 19 7 –	180 4 8 4 8 10
Shandon,	Waterford,	13 October, 1851,	180	43 1 15	15 4 10	57 3 7	22 17 2
Shandrum,	Mayo,	30 April, 1850,	700	132 1 35	3 7 7	Paid off.	24 13 1
Sow (*Supplemental*, 23rd *March*, 1859),	Wexford,	28 „ 1853,	14,000	1,983 0 10	4 4 10	609 9 5	290 19 6
Shanagolden (*Award abandoned*),	. . . . .	–	–	–	–	–	–
Saleen Lough (*Supplemental*, 26th *April*, 1858),	Mayo,	29 April, 1851,	2,850	908 3 14	3 4 11	259 3 10	40 1 9
Turloughmore,	Galway,	28 June, 1855,	212,480	8,166 3 20	7 5 7	1,895 2 9	749 18 10
Templemore (New award) Lands, Mills,	Tipperary, Do.,	1 July, 1854,	33,000	3,394 0 21 2 2 0	4 7 3 –	1,283 5 10 –	334 17 6 Paid off.
Tawnaswoggaun (*Supplemental*, 31st *March*, 1856),	Mayo,	28 October, 1850,	2,200	294 1 0	4 0 1	82 10 10	Paid off.
Wilkinstown,	Meath,	19 „ 1849,	10,600	700 2 37	2 4 10	217 13 8	Paid off.
Wottonstown,	Louth,	20 Sept., 1851,	0,300	313 1 17	3 4 7	93 15 8	Paid off.
Youghal,	Cork,	18 Feb., 1857,	1,547	224 0 0	101 13 7	500 0 0	Paid off.
			6,358,358	268,733 2 4	Average, 8 11 4	74,502 7 2	–

Office of Public Works, Dublin, 10th May, 1876.

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thereon, for the Year ending 31st March, 1876—*continued.*

Total Amount of Expenditure, for all purposes.	Free Grants and Remissions.	Portion of Total Expenditure charged to Counties for Public Works.	Portion of Total Expenditure charged on Lands.	No. of half-yearly instalments to repay principal and interest.	Repayments. Total 31st March, 1875.	Repayments. For year ending 31st March, 1876.	Repayments. Total.	Districts.
£ s. d.	£ s. d.	£ s. d.	£ s. d.		£ s. d.	£ s. d.	£ s. d.	
5,081 6 2	2,333 16 9	247 11 5	3,000 0 0	44	4,185 7 3	168 1 7	4,368 8 10	Leesborough.
2,753 19 8	–	157 16 0	2,596 1 2	72	3,372 5 11	104 9 2	3,476 15 1	Lough Crew.
2,836 11 9	371 9 11	191 1 10	2,274 0 0	–	3,369 2 3	–	3,369 2 3	Lough Dalla.
15,826 6 8	11,196 17 0	370 11 8	4,250 0 0	44	5,706 8 2	274 3 4	5,980 11 5	Lavally.
6,718 4 10	3,713 4 10	1,412 3 5	10,500 0 0	60	11,808 15 1	559 7 1	12,468 3 2	Lough Mask & River Robe.
63,660 11 7	51,754 8 2							
102,289 16 4	87,406 16 4	14,883 0 0	–	–	14,883 0 0	–	14,883 0 0	Loughs Corrib, Mask, and Carra, *Navigation, Drainage, & Mill Power.*
116,854 5 9	110,612 6 2	2,511 3 4	29,400 0 0	56	42,537 9 5	2,135 13 9	44,673 3 2	
36,938 16 9		–	11,359 13 0	40				
1,545 15 11	–	–	1,545 15 11	52	2,264 3 8	94 15 2	2,358 13 10	Lisduff.
18,445 7 4	16,039 6 8	1,306 0 8	4,100 0 0	60	5,495 15 9	230 17 6	5,726 13 3	Lough Lannagh.
8,764 1 2	3,724 1 5	1,039 19 9	4,000 0 0	–	6,227 3 10	–	6,227 3 10	Moyour.
986 13 0	243 9 5	134 3 7	609 0 0	–	932 3 3	–	932 3 3	Mullafarry.
1,392 5 3	–	69 15 6	1,322 9 9	–	2,071 11 8	–	2,071 11 8	Miles and Templebryan.
347 7 4	33 15 2	13 12 2	300 0 0	–	362 19 8	–	362 19 8	Mullawn.
1,397 12 1	–	–	1,397 12 1	–	1,863 15 1	–	1,863 15 1	Maghera.
702 13 9	219 12 3	23 1 6	460 0 0	–	632 14 7	–	632 14 7	Moyne and Crosspatrick.
15,895 1 1	10,575 6 2	1,228 12 11	5,092 0 0	60	6,530 10 7	281 6 2	6,811 10 9	Monivea.
7,534 3 4	–	580 17 11	7,053 5 5	–	10,989 18 8	–	10,989 18 6	Nobber.
3,871 16 2	1,031 0 0	190 16 2	2,650 0 0	–	4,080 12 9	–	4,080 12 9	Oranhill.
3,154 5 7	1,553 9 8	90 15 11	1,500 0 0	–	1,879 15 8	–	1,879 15 8	Owenabrockagh.
1,277 7 3	–	70 11 7	1,206 15 8	44	1,870 16 1	–	1,870 16 1	Owenkeagh.
20,686 5 2	5,607 6 10	1,078 18 4	14,000 0 0	48	19,216 16 9	762 11 0	19,999 7 9	Quin.
964 19 11	–	66 19 11	898 0 0	–	1,847 14 0	–	1,847 14 0	Red Bog.
6,671 6 4	1,471 18 3	599 6 1	4,600 0 0	32	7,142 3 8	–	7,142 8 8	Rath, or Cloonsen.
928 7 11	–	–	928 7 11	80	1,056 10 2	26 7 10	1,082 18 0	Ratooragh.
33,756 11 1	10,470 16 10	2,279 14 3	15,000 0 0	44	19,086 6 5	838 19 10	19,927 6 3	Rinn and Blackriver.
42,007 6 1	18,698 0 9	1,868 5 6	21,541 0 1	44	29,019 17 11	1,156 17 4	30,176 15 3	Strokestown.
30,573 19 3	22,141 19 2	932 0 1	7,500 0 0	60	8,709 8 4	257 17 5	6,967 5 9	Shrule.
8,381 2 9	2,794 12 10	414 9 11	5,000 0 0	40	7,680 19 11	274 18 7	7,955 18 5	Shinrone.
–	–	–	172 0 0	80				
1,030 12 0	–	370 0 0	660 12 0	–	1,366 2 8	–	1,366 2 8	Shandon.
712 10 3	–	–	712 10 3	–	977 5 9	–	977 5 9	Shandrum.
3,825 9 8	1,909 16 4	415 12 11	6,500 0 0	44	9,260 3 4	–	9,260 3 4	Sow.
6,741 8 4	3,516 12 11	227 15 5	–	–	227 15 5	–	227 15 5	Shanagolden.
3,079 13 11	493 15 5	135 18 0	2,441 0 0	26	3,301 1 11	70 15 10	3,371 17 9	Saleen Lough.
60,832 9 1	56,705 18 11	1,126 10 2	23,000 0 0	48	30,319 11 9	1,463 2 9	31,782 14 6	Turloughmore.
15,908 15 5	7,060 12 3	1,098 3 2	7,500 0 0	–	11,180 15 3	–	11,180 15 3	Templemore.
–	–	–	280 0 0	–				
1,334 0 10	178 3 6	155 12 4	1,000 0 0	–	1,458 14 10	–	1,458 14 10	Tawnawoggaun.
1,764 0 0	–	190 17 7	1,573 2 5	–	2,451 17 5	–	2,451 17 5	Wilkinstown.
1,102 16 0	–	80 17 7	1,021 15 5	–	1,699 0 8	–	1,699 0 8	Wottonstowe.
22,890 2 7	15,890 2 7	–	7,000 0 0	–	8,157 19 7	–	8,157 19 7	Youghal.
2,390,612 12 4	1,337,868 12 3	152,180 12 8	900,563 7 5		1,233,074 12 3	36,022 15 9	1,269,997 3 0	

W. B. Soady, *Accountant.*

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(A 8.) ARTERIAL DRAINAGE.—

These Works are executed under District Boards in

SCHEDULE.—ABSTRACT of FINAL AWARDS, and Repayments

Districts.	Counties	Date when Awards made final	Area of Flooded or Injured Lands, which have been Drained or Improved Statute Measure.			Cost per Acre of the Drainage, including Interest, &c.			Increase in the Annual Letting Value of these Lands, caused by Drainage.			Amount of Instalments payable half-yearly, to repay Cost with Interest.			No. of half-yearly Instalments, to repay principal and Interest.
			A.	R.	P.	£	s.	d.	£	s.	d.	£	s.	d.	
Athboy River,	Meath,	4th April, 1869,	1,388	0	27	8	0	5½	569	16	6	362	2	2	44
Ballinacourty,	Limerick,	2nd Oct., 1875,	179	0	5	7	1	8	82	5	1	15 32	12 18	3 4	20 44
Ballynacarrig,	King's and Queen's,	9th April, 1866,	2,502	1	23	2	7	5½	516	14	0	194	4	0	44
Baltracey,	Kildare,	13th Mar., 1875,	1,955	2	30	4	0	5	568	4	3	13 248	17 1	0 11	20 44
Boolinarrig,	King's,	27th Mar., 1675,	926	3	20	3	7	1	197	12	8	0 100	18 9	3 11	20 44
Brickey River,	Waterford,	26th Sept., 1870,	829	1	20	5	4	3	297	2	1	14 129	19 12	9 2	30 44
Clodiagh River,	Tipperary,	30th May, 1872,	1,657	1	4	4	3	7	398	6	7	8 220	17 15	4 10	20 44
Connell,	Kildare,	19th Jan., 1870,	747	2	0	3	6	5	171	12	2	6 77	16 1	0 5	20 44
Derrinlough,	King's,	8th Oct., 1674,	622	0	30	3	6	5	143	15	4	1 66	16 3	3 5	20 44
Dochyle,	Limerick,	9th Oct., 1671,	409	2	32	6	2	7	145	9	2	19 71	3 9	8 9	20 44
Douglas River,	Carlow,	31st Mar., 1875,	3,088	2	0	4	7	3	922	18	0	19 427	11 9	2 11	20 44
Elphin,	Roscommon,	26th Mar., 1872,	3,395	3	12	4	11	2	1,036	1	10	34 484	18 13	9 6	20 44
Frankford River,	King's,	27th Mar., 1875,	1,204	2	0	5	10	8	414	18	0	22 204	2 17	8 11	20 44
Gully,	Queen's,	4th Oct., 1873,	1,064	0	10	4	4	11	242	13	9	8 142	18 1	9 5	20 44
Island Lakes and Glore River.	Mayo,	2nd April, 1875,	1,457	0	32	5	16	6	443	5	6	208	9	10	70
Kilmastulla,	Tipperary,	26th July, 1870,	1,681	1	18	6	10	7	582	12	2	34 332	2 0	11 2	30 44
Parsonstown,	Tipperary and King's,	25th Sept., 1874,	2,719	0	1	4	4	6	850	19	5	268	16	0	70
Quinagh,	Carlow,	19th Jan., 1870,	680	3	0	3	13	5½	208	1	5	81	5	7	44
Rathdowney,	Queen's,	9th Oct., 1838,	413	1	39	6	6	1	189	0	4	86	1	5	44
Silver River,	King's, Westmeath,	8th Oct., 1870,	1,092	2	30	3	12	8	215	10	9	0 128	6 16	7 6	30 44
Sixmilebridge,	Clare,	4th April, 1671,	2,595	0	4	7	13	2	1,229	14	11	12 637	4 19	8 11	30 44
Torrent River,	Tyrone,	3rd April, 1875.	453	17	16	11	7	1	336	13	10	43 135	14 7	9 3	30 44
		Total,	31,063	3	33		–		9,563	10	9	4,398	19	1	–

ARTERIAL DRAINAGE WORKS in progress,

Camoge,	Limerick,	–	–	–	–	–	–
Gully, Upper,	Queen's,	–	–	–	–	–	–
Inny, Upper,	Meath, Westmeath, Longford, Cavan.	–	–	–	–	–	–
Kildare,	Kildare,	–	–	–	–	–	–
Lough Oughter,	Cavan,	–	–	–	–	–	–
Mulkear,	Limerick,	–	–	–	–	–	–
Stoneyford,	Meath and Westmeath,	–	–	–	–	–	–
Over Issues repaid,		–	–	–	–	–	–
	Total charge against districts,		–	–	–	–	–

Office of Public Works, Dublin, 10th May, 1876.

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26 & 27 Vic., c. 88, &c.

accordance with the Provisions of the above Acts.

thereon, for the Year ending 31st March, 1876.

Expenditure, including interest, to date of Award.	Portion of Total Expenditure charged to Counties for Public Works.	Portion of Total Expenditure charged on Lands.	Repayment. To 31st March, 1875.	Repayment. For year ending 31st March, 1876.	Repayment. Total.	Districts.
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
11,141 16 2	–	11,141 16 2	3,983 3 10	724 4 4	4,707 8 2	Athboy River.
} 1,268 3 10	–	1,268 3 10	–	48 10 7	48 10 7	Ballinacourty.
5,975 9 1	–	5,975 9 1	2,548 18 5	668 16 6	2,917 14 11	Ballynacarrig.
} 8,211 1 2	650 15 2	7,860 6 0	350 15 2	431 19 0	782 14 2	Baltracey.
} 3,107 2 4	–	3,107 2 4	–	534 7 3	534 7 3	Boolinarrig.
} 4,323 12 0	–	4,323 12 0	1,301 7 3	283 1 10	1,584 9 1	Brickey River.
} 6,938 11 6	–	6,936 11 6	1,377 19 0	459 6 4	1,837 5 4	Clodiagh River.
} 2,482 16 0	–	2,482 16 0	838 14 2	167 14 10	1,006 9 0	Connell.
} 2,105 12 9	40 0 0	2,065 12 9	107 19 8	135 19 4	243 19 0	Derrinlough.
} 2,513 6 0	–	2,513 6 0	578 16 10	153 8 4	732 5 2	Dochyle.
} 13,663 6 8	190 0 0	13,473 6 8	190 0 0	783 16 4	976 18 4	Douglas River.
} 15,940 17 0	458 0 0	15,482 17 0	3,606 16 1	1,036 1 8	4,644 17 9	Elphin.
} 6,746 8 4	80 0 0	6,666 8 4	80 0 0	404 16 2	484 18 2	Frankford River.
} 4,517 11 6	–	4,517 11 6	453 0 6	302 0 4	755 0 10	Gully
8,704 13 7	215 0 0	8,489 13 7	215 0 0	358 9 10	573 9 10	Island Lakes and Glore River.
} 10,980 7 8	–	10,980 7 8	3,747 5 8	689 15 0	4,437 0 8	Kilmastulla.
11,699 17 1	150 0 0	11,549 17 1	150 0 0	1,552 14 5	1,702 14 5	Parsonstown.
2,500 18 8	–	2,500 18 8	812 15 10	162 11 2	975 7 0	Quinagh.
2,648 6 3	–	2,648 6 3	1,058 10 4	169 16 2	1,228 6 6	Rathdowney.
} 6,971 2 9	–	3,971 2 9	1,162 7 9	258 6 2	1,420 13 11	Silver River.
} 20,328 13 11	424 1 8	19,904 12 3	5,625 18 4	1,300 9 2	6,926 7 6	Sixmilebridge.
} 5,332 1 6	167 10 0	5,144 11 6	–	565 9 2	565 9 2	Torrent River.
155,101 12 9	2,095 6 10	153,006 5 11	26,189 8 10	10,693 17 11	39,083 6 9	

showing the Issues made to 31st March, 1876.

6,500 0 0	–	–	200 0 0	–	200 0 0	Camoge.
2,100 0 0	–	–	–	70 0 0	70 0 0	Gully, Upper.
30,600 0 0	–	–	–	–	–	Inny, Upper.
4,000 0 0	–	–	–	–	–	Kildare.
7,000 0 0	–	–	–	–	–	Lough Oughter.
23,000 0 0	–	–	–	–	–	Mulkear.
1,000 0 0	–	–	–	–	–	Stoneyford.
200 0 0	–	–	–	–	200 0 0	Over Issues repaid.
231,501 12 9	–	–	28,369 8 10	10,963 17 11	39,553 6 9	

W. B. Soady, *Accountant.*

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APPENDIX B.

APPENDIX B.

INLAND NAVIGATIONS AND HARBOURS.

Report of Mr. Robt. Adams, Inspector.

REPORT of Mr. ROBERT ADAMS, Inspector, on the STATE of the ULSTER CANAL and TYRONE NAVIGATION. For the year ending 31st March, 1876.

Coalisland, 15th March, 1876.

ULSTER CANAL AND TYRONE NAVIGATION.

SIR,—Pursuant to your circular order of the 29th ultimo, I beg to report, for the information of the Board, that the works executed on the Ulster Canal during the past year have been limited to the repairs incidental to its maintenance, viz. :—

From Charlemont to Monaghan, 25 miles.

Repairs of Nos. 11, 12, and 17 lock-gates (the deep gate of the former was sheeted), staunching leaks in the embankments, sodding and puddling broken down parts of the canal banks, repairs of boundary fences, scouring and cleaning out back drains, and removing weeds out of the canal

From Monaghan to Clones, 14 miles.

The large aqueduct over the "Finn" River, and eleven county and occupation road bridges, were pinned and pointed, and the displaced coping stones reset, and the timber swivel bridge at Carney's Island renewed. Subsided portions of the canal banks were raised to the proper level, and the broken down parts of the embankments sodded and puddled; scouring and cleaning out boundary river courses, back drains, and the boundary fences, were efficiently executed.

The great flood in Drumsconner River, on the 14th November last, made a very serious breach in the canal bank, bursting right into the canal level, turning it for a time into a heavy river course; however, happily, by great exertion, the river in a short time was shut out and turned into its natural course, thereby allowing the work of securing the breach to be proceeded with, which is now substantially completed.

From Clones to Lough Erne, 7 miles.

One timber swivel bridge renewed, pinning and pointing six county and occupation road bridges, stopping leaks, raising subsided portions of the canal banks, cleaning out boundary drains, and repairing fences, &c.

The lock-gates on the entire line of canal were scraped, cleaned, and coated with prepared tar.

Reservoir.

The embankments and boundary fences have been maintained in good repair.

TYRONE NAVIGATION.

The works executed on this navigation during the past year have been limited to the repairs incidental to its maintenance, viz. :—

Repairs of the towing-path, which is also a turnpike road; removing two hundred cubic yards of silt out of the basin; cleaning out back drains; repairs of the roadway of wharf and quay; stopping leaks, raising, sodding, and puddling broken down parts of the canal banks; scraping, cleaning and coating the entire lock-gates with prepared tar; repairs of lock-keepers' houses; and limewashing the boundary walls of stone yard, wharf, &c., and dragging weeds out of the entire canal.

I regret to say the removal of the aquatic weed, *anacharis alsinastrum*, referred to in former reports, still continues a source of considerable expense both on this and the Ulster canal.

I have the honour to be, sir,

Your most obedient servant,

ROBERT ADAMS, C.E.

The Secretary,
Board of Public Works.

Report of Mr. Edward H. Alcock, Harbour Master.

REPORT by Mr. EDWARD H. ALCOCK, Harbour Master, on the NUMBER of VESSELS frequenting DUNMORE HARBOUR. For the year ending 31st March, 1876.

Harbour House, Dunmore, East,
March 27th, 1876.

SIR,—As directed in your circular of February 29th, I now make my annual report.

During the spring and summer of 1875, all kind of fish was very scarce. Indeed, I may say the deep sea trawlers did next to nothing; while throughout the autumn, neither the herring, pilchard, or whiting visited this coast.

I regret to say I cannot give a much better account of the past winter's fishing; but this, to a considerable extent, is attributable to the frequent and severe breaks we have had in the weather, which have often prevented the fishing boats from leaving their moorings for a week at a time. Nevertheless, whenever the weather was sufficiently moderate to permit of the trawlers proceeding to the deep sea trawling grounds, they were almost certain to make good hauls of the coarser sorts of fish, such as plaice and skate, with some cod, ling, conger, and hake; but the better and higher priced kinds of fish, such as turbot, sole, brit, and dory, have been unusually scarce; and our fishermen, accordingly, in anything but a prosperous condition.

The salmon fishery in the Waterford River has been a fair average one, both as regards the quantity of fish taken, and the prices obtained for same—during the past season the prices ranging from 2*s.* 4*d.* to 1*s.* 6*d.* per pound; and judging from what has already passed of the present season, the same may be said of it. The price of salmon is now 2*s.* 3*d.* per pound.

Beyond the foregoing, there is nothing deserving of special notice to be recorded with reference to the fishery in question.

Your obedient servant,

EDWARD H. ALCOCK, Harbour Master,
Dunmore, East.

Edward Hornsby, Esq.,
Secretary, Office of Public Works,
Custom House, Dublin.

Report of Capt. Henry D. Burney, Harbour Master.

REPORT by Captain HENRY D. BURNEY, R.N., Harbour Master, on the NUMBER of VESSELS frequenting HOWTH HARBOUR. For the year ending 31st March, 1876.

Harbour Office, Howth, March 31st, 1876.

SIR,—In reply to your letter of the 29th of February I herewith forward the number of cargo vessels and fishing boats that have frequented Howth Harbour during the year 1875:—Cargo vessels, 218—20,000 tons; fishing boats, 750—13,500 tons.

I have the honour to be, sir,

Your obedient servant,

HENRY D. BURNEY, R.N., Harbour Master.

Secretary, Board of Works,
Custom House, Dublin.

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APPENDIX B.

Report of Mr. P. J. Dodd, Superintendent.

REPORT of Mr. P. J. DODD, Superintendent, on the STATE of the LOWER BOYNE NAVIGATION. For the year ending 31st March, 1876.

Drogheda, 29th March, 1876.

SIR,—I beg to forward annual report of the state and progress of the works on the "Lower Boyne Navigation," for the year ending 31st March, 1876, which have been nothing more than maintenance and repairs.

River Wall, Ballsgrove.

The dry stone facing along river has stood the high tides and floods well during the year just ended, and the surface of towing-path was well darned and repaired with broken gravel where required.

Oldbridge Station and Lock-house.

The lock-gates are in fair order, and have been cleaned and scraped during the year; new footboards have been provided for same. The house is in good repair and has been limewashed; but one of the out-offices requires to be raised in height of walls and the roof slated; it is thatched at present.

Oldbridge Guard Lock-gates.

These gates are in fair order, and have stood the floods well, which were very heavy during the end of the year.

Stalleen Station and Lock-house.

The gates are in fair working order, and have been cleaned and scraped during the fine season; the house is orderly, and was limewashed during the year.

Stalleen Guard Lock-gates.

These gates are old and shattered, but they did their work fairly during the flood season. New footboards have been provided for them.

Broe Station and Lock-house.

The gates at this lock worked well during the year, but the navigation was not stopped to put in the new heel-post in deep gates, which is ready; when an opportunity offers, the house requires a new floor of tiles in kitchen, and a couple of small windows in rere to be put in.

Broe Guard Lock-gates.

The gates are in good order, and a small built gullet has been constructed under towing-path to convey water and floods from lands adjoining into canal.

Rossnaree Station and Lock-house.

These gates are in very fair order, and have been all cleaned and scraped during the year. A new balance-beam has been supplied in place of old beam; three of the window sashes require to be renewed, and the walls of house have been lately limewashed.

Mill Lock, Slane.

These gates are very much shattered and decayed, and will require to be overhauled during the summer. Two new balance-beams and one heel-post have been provided for these gates.

Castle Lock, Slane.

New tail-gates have been erected in this lock which work well, but the breast-gates are very much decayed and weak from age. The house is in fair order and very well cared by present lock-keeper.

The different canal cuts and some portions of river have had the weeds dragged out of them during the summer months, and the towing-paths generally have been well repaired and darned with broken stones; some lengths of back drains have been scoured up, and the aqueducts near canal cuts have been all kept clear, and the streams above and below them well attended to.

I have the honour to be, sir,

Your obedient servant,

P. J. DODD, Superintendent.

The Secretary, Office of Public Works,
Custom House, Dublin.

Report of Mr. Robert Manning, M. Inst. C.E., Chief Engineer.

REPORT of Mr. ROBERT MANNING, M. Inst. C.E., Chief Engineer, on PIERS and HARBOURS. For the year ending 31st March, 1876.

Office of Public Works,
29th April, 1876.

I beg to submit to the Board the following report on the works in operation during the past year:—

ROYAL HARBOURS.

Kingstown Harbour, County Dublin.

As usual the works performed at this harbour consisted of maintenance and dredging.

Maintenance.

The works under this head are so numerous as to render a detailed description of them, within reasonable limits, impossible. Some works executed during the year, although not properly coming under the head of new works, amounted really to reconstruction. "The Wolf" jetty at the east pier, which had shown symptoms of failure for some years, has been taken up, and the work of reconstruction is far advanced. The wave-screen at the outer end of the same pier, which was injured by easterly gales, has been put in thorough repair. The sea slope adjoining the west pier head, which according to the original design was intended to be continued up to the top of parapet, but was never completed, has been made good to the extent of 650 superficial yards, and where necessary, the joints have been filled with cement concrete. At the entrance to the boat harbour, in front of the coastguard depôt, some rocks have been removed, which were inconvenient to H. M. revenue vessels, who use it as a careening creek. Sliding pieces have been fixed to the face of the Victoria wharf to suit the floating fenders used by H. M. troopships. A steam crane (sent from Dunmore Harbour, on the completion of the dredging there), has been erected near the ballast pit in the coal harbour, and a line of tramway laid down to the ballast quay. The face of the wharf walls, steps, recesses, and coping have been repaired. The work of maintaining the woodwork on the faces of the mail packet pier has been continued without intermission during the whole year. I have made some alteration in the system hitherto adopted, which I expect will have the effect—already noticeable—of rendering the woodwork more permanent, and will allow of its being renewed more easily. The other works of maintenance, namely, watering, cleaning, and repairs of roads, quays, and wharves; repair of water-pipes, hydrants, and machinery, &c., &c., &c., have been duly attended to.

Dredging.

The dredging of the harbour has been carried on as usual during the year. The dredger is now undergoing the usual annual repair, and I expect that on the 1st of May the season's work will commence on "the seventeen-foot bank" near the mouth of the harbour.

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APPENDIX B.

Report of Mr. Robert Manning, M. Inst. C.E., Chief Engineer.

Registry of Rainfall at Kingstown for year ending 31st March, 1876.

Date 1875–76.	Date of Greatest Fall in 24 hours.	Greatest Fall for the 24 hours.	Total for Month	Remarks.
April, .	22nd,	·35	·93	
May, .	22nd,	·32	1·03	
June, .	13th,	·25	2·29	
July, .	15th.	·49	2 32	
August, .	9th.	·76	1·50	
September,	24th,	·55	3·20	
October, .	26th,	1·33	7 24	Greatest Rainfall.
November,	14th,	1·22	4·11	
December,	22nd,	·28	1 51	
January, .	30th,	·08	·43	Least Rainfall.
February, .	13th,	·52	3·13	
March, .	8th,	·32	2 27	
Total for year,		. .	30·01	

Howth Harbour, County Dublin.

The roads, quays, and curing sheds at this harbour have been efficiently maintained. The work of reconstruction of the sea slope of the eastern pier has been carried on in a satisfactory manner; a length of 293 feet (1,953 superficial yards) has been constructed, exceeding by 103 superficial yards the quantity executed in the year 1874–5. At the west pier, about 70 feet long of a wall, back of coastguard station, and 100 superficial yards of sea slope (which were torn up by the sea) have been repaired.

Two storms occurred during the year—one on the 19th October from S.E., and the other on the 13th November from E.S.E. The damage done to the west pier has been above described. The Superintendent reports that all the damage to the east pier amounted to less than £20, and that the pavement executed in 1875 "has not received the slightest scratch." During the October gale the sea washed over the east pier, and carried a concrete block weighing about 3 tons on to the wharf. The gale of the 13th November was very violent, the sea making a clean breach over the east pier. A man who had some fresh herrings in the curing sheds endeavoured to reach them, but was washed off the wharf into the harbour by a heavy sea; he was fortunately rescued by the Board's boat. A large fishing vessel moored, opposite the coastguard station, was sunk.

Donaghadee Harbour, County Down.

From the commencement of the year to the month of October last, Mr. Fitzgerald, the overseer, was engaged with a small number of men in removing rocks from the bed of harbour, and executing sundry small works of maintenance. I regret to say that on the 14th of that month he died suddenly; he was an old and faithful servant of the Board; as little work could be done at that advanced period of the year his place has not been filled up. The harbour master having reported some slight damage to the sea pavement near the northern pier head, I visited it myself on the 18th of November last. As I did not apprehend any serious damage, and as the damage done was near the level of low water (the time of which at spring tides occurs during the winter after dark), I postponed the repair of it; it will be undertaken as soon as the weather is suitable.

Dunmore Harbour, County Waterford.

In June last Mr. Edward M'Kenna, was placed in charge of the repairs of this harbour; between that time and the end of the financial year, 2,870 superficial yards of sea pavement have been reset. 3,120 cubic yards of heavy stone have been raised in the quarry, and hauled to the breaches in the sea slope. The joints of a surface of 4,176 yards of the sea pavement have been filled with cement concrete; and a quantity of heavy stone (about 800 tons) has been raised in the quarry ready for the repairs to be executed during the current year. The roads and quays have been maintained in good order.

The dredge boat still remains at the harbour. The Board have ordered her removal to Kingstown, but the state of the weather has hitherto prevented it.

The stone jetty near the pier head, and some of the walling adjoining it, have for some years shown signs of settlement which have latterly increased. In consequence of a report from the overseer I visited the harbour on the 17th of March last. I attribute the damage caused to the effects of compressed air in the body of the work. Portions of the wharf walls and banquette must be taken up and reset.

FISHERY PIERS AND HARBOURS.

Glin Pier, County Limerick.

The works at this pier have been finished, with the exception of some trifling matters which I pointed out to the contractors when I visited the pier on the 21st and 22nd March last. It is a substantial and well constructed work.

Courtmacsherry Harbour, County Cork.

The masonry of this pier is all but completed. The work has been well executed, but some of the excavation still remains to be done. Being in rock and at low level it is, of course, carried on by tide work, which circumstance renders the progress slow.

Port Oriel Harbour, County Louth.

The works at this harbour consist entirely of excavation in rock and clay. They were last inspected by the assistant engineer on the 6th of March last, when about two-thirds of the work was executed.

Ballyvaughan (Bournapeaka) Pier, County Clare.

The Board have entered into a contract with Messrs. Mannix and Slade, Contractors, for the execution of the works at this pier, which will be proceeded with during the current year.

Rathmullen Pier, County Donegal.

The Board have entered into a contract with Mr. William J. Dogherty, for the erection of an addition to this pier, and Mr. T. A. Mullins has been appointed to superintend the works, which will be proceeded with during the current year.

Giles'-quay, County Louth.

The total quantity of work executed at this pier up to the end of the past financial year is as follows:—

One thousand and sixty cubic yards of excavation, 3,309 cubic yards of rubble or shingle filling, 1,868 cubic yards of Portland cement concrete, 608 superficial yards of wharf pavement, 271 lineal feet of wharf coping, and 6ve bollards. There have been prepared ready for setting 430 cubic yards of concrete blocks, 160 superficial yards of wharf paving, 130 lineal feet of wharf coping, seven bollards, and forty-nine stone steps.

During the year the following gales occurred:—

May 6th, south; September 29th, north-west; 18th October, south-east; and 13th November, east.

The overseer estimates the damage done to the unfinished works at £30. I am happy to add that no damage occurred to work actually set, with the exception of a slight abrasion of the surface of concrete set *in situ* on the sea slope, which is scarcely worth mentioning, and is of no disadvantage to the work.

MAINTENANCE OF DRAINAGE AND INLAND NAVIGATION.

Owenabrocka Drainage Maintenance.

Tenders were called for in this case, but as only one was received amounting to £1,193 2*s.* 10*d.*, the works were carried out by days work, under the superintendence of Mr. T. A. Mullins; they were commenced in April and completed in the month of November last,

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at a cost of £487 12s. 10d., the sum provided being £600.

Glenariff District, County Antrim.

On memorial of one of the proprietors, the Board directed an examination and report of this district. Report, plans, specification, and estimate were prepared and submitted to the Board on the 5th June, 1875. Tenders were called for but as those received were greatly in excess of the value of the work to be done, the Board ordered me to proceed to execute them by days work. Mr. Patrick Duffy was appointed overseer, and the works were commenced on the 9th of February last; between that time and the 31st March, the following works were executed:—

Four hundred and seventy lineal perches of slopes of main river-course dressed off, and obstructions removed from the bed, 500 lineal perches of main drain finished, a timber occupation bridge partly executed.

Ballinamore and Ballyconnell Navigation.

Two memorials were presented for the maintenance of this canal—one for the repairs of an embankment, weir, lock-gate, and sluice at Ballyconnell; the other for the general maintenance of the canal from its junction with the Shannon navigation to Ballinamore. In the first case the Board have as yet been unable to procure a contractor; the works, however, will be commenced either under contract or by days work as soon as the weather is suitable.

A report has been made in the second case, which is still under the consideration of the Board.

Borris-in-Ossory District.

Those works were carried on under the superintendence of Mr. H. J. B. Kane, C.E. His report is hereto annexed.

ROBERT MANNING, Engineer.

APPENDIX B.

Report of Mr. Robert Manning, M. Inst. C.E., Chief Engineer.

REPORT of Mr. H. J. B. KANE, C.E., on the STATE of the BORRIS-IN-OSSORY DRAINAGE MAINTENANCE DISTRICT. For the year ending 31st March, 1876

Report of Mr. H. J. B. Kane, C.E.

Engineer's Office, Tullamore,
March 10th, 1876.

SIR,—In accordance with your directions of the 29th February, calling on me to furnish a report on the state of the above district for the year ending 31st March, 1876, I beg to state that specifications and plans were prepared for this district, and advertisements published inviting tenders for the execution of these works of maintenance; but no tenders were received, consequently I was directed to proceed with the work. Operations were commenced early in September, 1874, and the entire of the work of cleansing, scouring, and improving fifteen statute miles of main river channel, and 1,404 statute perches of tributary streams and drains, was completed by November, 1875. A vast amount of benefit has accrued to the adjacent lands from these operations, and the district is at present in a more effective state than ever it was. The only work now in progress is the erecting of some fences which were necessarily interfered with in carrying out the work and are being repaired.

I have the honour to remain, sir,

Your obedient servant,

H. J. B. KANE.

The Secretary, Office of Public Works,
Custom House, Dublin.

EXTRACTS from the REPORT of Mr. JAMES M. MERRICK, on the STATE of the UPPER SHANNON NAVIGATION from SHANNON HARBOUR to LOUGH ALLEN; also the BOYLE WATER NAVIGATION from its Junction with the SHANNON to DRUM WHARF, near BOYLE. For year ending 31st March, 1876.

Extracts from Report of Mr. James M. Merrick, Inspector.

Shannon Office, Athlone,
31st March, 1876.

SIR,—I beg leave to submit the following report on the works in my charge on the Upper Shannon and the Boyle water, as directed by your letter of the 29th ultimo.

The Navigation Course from Shannon Harbour to Spencer's Wharf, Lough Allen.

The following works have been executed for the maintenance of the navigation course, ninety miles, between Shannon Harbour and Spencer's Wharf, through Loughs Ree, Forbes, Bodarig, Bofin, and Allen:—Sixteen new floating buoys were moored, to replace those sunk or lost by the action of ice in November last; seventeen were taken up, painted, and remoored; eight old iron buoys were repaired, and new chains and mooring-stones provided and remoored; eight new floating piles were moored; twenty-nine larch guide piles were erected to replace decayed ones, or those carried away by ice; thirty-eight guide piles were painted either red or black, and had bushes fixed on top to render them visible in twilight or foggy weather; two stone beacons were repaired, the tops of which had been carried away by high flood.

Shannon Bridge.

The toll collector's house and office were limewashed, and some repairs effected on the roof.

The pavement of approaches to swivel bridge were roughed, and hollow parts made good.

Athlone.

The toll collector's house and office had some repairs done to the roof and floors.

The lock gates were scraped and tarred, and ironwork painted; one new cast-iron friction roller was supplied for chain of breast gate to pass over; and the traversing rollers of the deep gates were adjusted by the diver.

Sixty-six tons of metalling was spread on the west wharf, rendered necessary by the increased amount of traffic over it to the saw-mills near the lock.

A catch drain, 250 yards in length, was scoured up, and a covered sewer, forty yards in length, discharging into it, was opened and cleaned out, the covering being replaced as before, on the south-east bank of canal.

A new small boat was supplied to the toll collector, to replace an old one.

Lanesborough.

Twenty tons of metalling were spread on the wharves and approach roads.

Tarmonbarry.

The lock-gates were tarred, and the ironwork painted.

Two hundred and twenty perches of catch drain from upper embankment were scoured up, and two timber bridges, each twelve feet by ten feet, were placed across it, to replace others that were decayed; four cubic yards of silt were removed from sill of deep gates.

The swivel-bridge roadway has been repaired with 160 square feet of red pine, one inch in thickness, and eighteen square feet of one and a-half inch, laid with best tar, well boiled, and iron wheel tracks relaid.

Cloondrah.

The lock-house was limewashed, and a new window sash and frame was supplied to replace a decayed one.

The lock-gates were tarred; and one of the balance beams of the breast gates having broken in the centre, from extreme decay, I was obliged to replace it by a new one of red pine, also two new oak logger heads, and the necessary iron mounting; these breast gates must be replaced by new ones next summer, as they

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APPENDIX B.

Extracts from Report of Mr. James M. Merrick, Inspector.

are too much decayed to be depended on for a longer period.

The deep gates will require extensive repairs, including a new balance beam for the west gate.

Four new oak mooring posts have been erected at the lock.

A small boat and oars have been supplied to the toll collector, to replace an old one.

Rooskey.

The lock-gates were tarred, and the ironwork painted; a new footboard was fixed on lower west gate, to replace a decayed one.

Two elm stop-posts were erected at the lock, to replace old ones.

The approaches to swivel bridge were roughed and levelled, and the roadway on platform was repaired with sixteen square feet of Memel planking, and the iron wheel tracks secured.

A strong stake and fine wire fence, fifty feet in length, by five feet in height, was erected at the end of east embankment, to replace a boundary wall injured by the flood.

The eel weir, which was formed of oak stakes and hurdles, with stone wing walls, has been entirely removed.

The hoisting crane on the wharf at this station has been taken down, and erected at Carrick-on-Shannon wharf.

The boundary drain of the east embankment, 110 perches in length, has been scoured up.

Jamestown Canal, Lock, and Mill Buildings.

The lock-house was limewashed internally, and the woodwork painted two coats oil paint.

The lock gates were tarred, and the ironwork painted, and a new Memel footboard fixed on upper gates.

In consequence of the high flood topping parts of the west bank of canal, I found it necessary to get thirty perches of the lowest parts raised twelve inches, which prevented the water from running over.

The roof of mill building at Jamestown was much injured by the storm of last November, but from the severity of the weather since I have not been able to get the repairs effected.

Carrick-on-Shannon.

The toll collector's house and office has been thoroughly repaired. Internally it has been limewashed, papered, and painted, and the flues altered; and externally by being rough cast, the roof repaired, and a porch erected at hall-door to prevent the waves from the river in stormy weather entering the hall.

Ten tons of metalling was spread on the wharves.

A hoisting crane has been erected on the Upper Wharf.

Lough Allen Canal and Locks at Battle Bridge and Drumleague.

The lock-house at Battle Bridge has been limewashed, the floor of office repaired, and the dwelling-room floored with lime concrete.

The lock-gates at this station were tarred, and one oak lever for sluice was erected, to replace the former one decayed.

A new iron gate, 9 feet by 5 feet, with two piers of rough punched limestone, each 6 feet high by 3 feet square, were erected at entrance to harbour from high road, to prevent trespass or accident. The old timber gate and posts were quite decayed.

The lock-house at Drumleague was limewashed.

A new deep gate 20 feet by 13 feet was erected at Drumleague lock, to replace the old gate, which was in a dangerous state from decay.

A lie-bye was excavated on the east bank of canal, near Drumleague lock, 60 feet in length by 16 feet in width, to allow of a lumber boat being moored in while other boats were passing in an opposite direction, the canal being too narrow for steamers and boats to pass each other.

Five hundred and twenty cubic yards of bog deposit was removed by bag and spoon dredging from the shallow parts of canal, on the 4½ foot level, between Drumleague Lock and Battle Bridge.

Two hundred and seventy perches of catch drain were scoured up between Drumleague lock and Battle Bridge, at east side, and 285 perches at west side.

The high flood of last February caused some leakage in the west bank of canal, 400 yards north of Drumleague lock, where the bank is entirely composed of bog-mould without puddle. The leaks increased to such an extent (in the beginning of March), that I found it necessary to get the stop gates down at Drumshambo Bridge, and staunched them by excavating in the damaged part of the bank longitudinally for about 100 yards, which was filled in with well worked puddle. I found one part of the excavated bank so soft and leaky that I was obliged to drive a row of 3-inch planks 10 feet long to form sheet piling, for a length of 20 feet, in the centre of the bank, to support the puddle at the front side. The repairs have been effected and the navigation again opened.

Eight hundred and sixty lineal yards of the lowest parts of west canal bank, on the Lough Allen level were raised to prevent the floods overflowing.

The traffic from the Spencer wharf, in Lough Allen, through the canal continues satisfactory.

The tonnage of boats passed through the canal in year ending 31st March, 1875, was—coals, 2,102 tons. In year ending 31st March, 1876—coals, 1,400 tons; bricks, 182 tons; gypsum, 7½ tons.

The dredging barge at this station has been supplied with the usual amount of materials, poles, ropes, &c.

The 15 ton barge was repaired with 200 square feet of red pine, 2 inches thick, well caulked and tarred, and the lower angles secured with 70 square feet of sheet iron, laid on tarred felt.

The Boyle Water.

The lock-gates at Knockvicar were tarred and ironwork painted.

Two cubic yards of silt and stones were removed from the forebay of lock.

Seventeen new larch guide piles were erected to denote the Navigation Channel, to replace decayed ones between the junction with the Shannon and Drum wharf.

General State of Harbours and Wharves.

The harbours and wharves at Lecarrow, Dromod, Drumsna, Carnadoe, Jamestown, Kilbride, and Drumshambo, on the Shannon, and at Cootehall Bridge, and Knockvicar on the Boyle Water, are in a good state of preservation.

I am, sir, your obedient servant,

JAMES M. MERRICK, Inspector.

To the Secretary, Board of Public Works,
Custom House, Dublin.

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APPENDIX B.

Extracts from Report of Mr. William Molloy, Inspector.

EXTRACTS from REPORT of Mr. WILLIAM MOLLOY, Inspector, on the STATE of the SHANNON NAVIGATION (LIMERICK DISTRICT), and the MAIGUE NAVIGATION. For the year ending 31st March, 1876.

Shannon Office, Limerick,
31st March, 1876.

SIR,—I beg leave to submit to you, for the information of the Board, the following report on the state of the works on the Lower and Middle Shannon, which have been carefully maintained during the past year:—

Querrin, Co. Clare.

The pier, harbour, and roadway at this station are in good repair. No expenditure incurred during the past year.

Kilrush Pier and Harbour, Co. Clare.

The pier and harbour in very good repair. The heavy gales during the past year have done some injury to the western side of the pier, which has been made good and the coping stones re-set. The top surface of the old pier has been repaired with 32 tons of broken stones. The two hoisting cranes have been cleaned and painted one coat in oil.

Saleen Pier, Co. Kerry.

The works in this station are in good repair. No expenditure incurred except the painting and whitening of the collector's house.

Kilteery Pier, Co. Limerick.

The works at this station are in good repair. No expenditure incurred during the past year.

Foynes Harbour, Co. Limerick.

The traffic at this station is holding on steadily; a considerable quantity of limestone has been shipped here during the year, for the building of the new pier at Glin, and for other purposes. The wharf has been repaired with broken stone. The breakwater, which suffered some injury during the heavy gales has been repaired, and the three hoisting cranes painted. The accumulation of silt is very much on the increase, and trading vessels cannot enter the harbour except at high water.

The passenger steamer cannot touch at the end of the pier at low water in consequence of this accumulation.

Kildysart Pier, Co. Clare.

All the works in connexion with this pier are in good order. No expenditure incurred during the past year.

Clare Harbour, Co. Clare.

The wharf has been repaired with broken stone, the berths for vessels cleaned and made even, the hoisting crane painted, and the collector's house limewhitened.

Limerick Navigation.

The lock-gates, canal banks, wharves, roadways, bridges, culverts and towing-paths, between Limerick and Killaloe, a distance of sixteen miles, have been well and carefully maintained, no accident having occurred during the recent high water. In consequence of the high floods during the past winter, the water covered the towing-paths in several places on the Shannon levels, which caused some slips in the banks; when the floods subsided they were attended to without delay, and the defective parts made good. The following works and repairs have been executed, viz:—The roadway and wharf between Clare-street and the canal stores have been repaired with broken stone, the cast-iron pillars, 28 in number, cleaned and painted. The towing-paths have been repaired with 250 tons of strong gravel, 75 yards of stone pitching, and 322 yards superficial of sodding on slopes of banks; 2,803 perches lineal of boundary drains have been scoured and deepened. The canal for more than a mile in length has been dragged, cleaned, and freed from weeds, which formed obstructions to the trade boats. The lock-gates have been all examined and repaired, seven new footboards, eight uprights and brackets, six loggerheads, and eight new sluices put on the different gates. The woodwork of those gates, 25 in number, has been scraped, cleaned, and coated with Stockholm tar; the iron and woodwork over water level, painted in oil; the lock-houses, stores and offices along the navigation, 23 in number, have been cleaned, repaired, and limewhitened; four new half doors, three window-sills, and two step-ladders, have been supplied and put into the different houses.

World's End.

The works at this station are in good repair. No expenditure incurred during the year.

Ardclooney River.

This river continues to be a source of cost and annoyance, as the autumn and winter floods bring down large quantities of shingle and gravel from the mountains, the chief part of which has been trapped above the towing-path, and prevented from being driven into the navigation course; 1,397 cubic yards removed by horses and carts, 1,110 tons dredged from navigation course, and 210 superficial yards of sodding to support banks.

Killaloe.

The collector's, caretaker's, and storehouses have been repaired and limewhitened, the river wall between the lock and the pier-head underpinned, 64 yards in length; the slip yard gate has been repaired; the bridge at the marble mill has been repaired and newly sheeted. The C dredger has been thoroughly over-hauled, cleaned and painted both inside and out; one small barge repaired, caulked, and coated with tar, and one row boat repaired.

Scarriff and Tomgrany Quays.

Both quays are in good repair; the Scarriff harbour has been cleaned at a cost of £3.

Mount Shannon Pier, Co. Galway.

The pier at this station has suffered some injury by the storms of the past winter, 28 feet of the coping stones of the quay has been removed, and 21 yards square of the top pavement torn up; this will be attended to when the weather moderates.

Portumna, Co. Galway.

The wharf at this station has been repaired with broken stone, the sheeting of the wooden jetty has been repaired, as also the surface of the swivel bridge. The toll house has had to undergo a thorough repair in consequence of the change of collectors, the entire of the premises limewhitened, the sitting-room papered, windows glazed, all woodwork painted, and the doors varnished; 182 perches of canal from the store to Connaught harbour cleaned and freed from weeds; 86 perches of boundary drains at the Munster harbour has been cleaned up and sunk two feet deep.

Meelick.

Several leakages having appeared from time to time in the new canal banks, they were attended to and stopped with well tempered puddle. The brasses and rollers of the gates adjusted; the woodwork cleaned and coated with Stockholm tar; the toll-house and stores limewhitened.

Cloonaheenogue Canal.

The roof of the lock-house suffered some injury by the late storms, the injury done has been made good, and the house limewhitened; the two swivel bridges adjusted; the sheeting of Kylenascariff bridge repaired, and one new balance-beam put on Hamilton lock; the woodwork cleaned and coated with Stockholm tar.

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APPENDIX B.

Extracts from Report of Mr. William Molloy, Inspector.

Banagher.

The traffic at this station has increased very considerably since the establishment of the Banagher Distillery Company. The following works have been executed here during the year—dredging 50 cubic yards of stones from face of quay wall; 30 feet lineal of quay wall built; one new gate, in two parts, with wicket in one side, in front of passage in place of old one. The woodwork of the swivel bridge was very defective, all the old sheeting had to be stripped off, and the entire renewed, the machinery adjusted, and brasses renewed; the collector's house repaired and limewhitened, the roof of the office pointed, and slates secured.

Shannon Harbour.

There was an accumulation of silt in the navigation course at the mouth of the River Brusna, which obstructed the passage of boats trading to Athlone; 1,320 tons dredged from this place which leaves a free passage for all trading vessels. The approach from the ferry landing to the wooden bridge had been much worn and cut away by the action of the water in rough weather; this left a shoal which was becoming dangerous to boats in time of low water, and was likely to undermine the ferry-house. A retaining wall in front of this had to be built for protection, and to prevent the stuff from being washed away again 320 tons of stones had to be brought from Derryholmes, a distance of three miles, to build a battered wall 390 feet long, and 6 feet high, with other stones that were on the ground; 470 cubic yards of filling at rere of same, 8 heavy piles driven at the ferry entrance so as to prevent boats from being driven ashore when westerly winds prevail. Three hundred feet lineal of wales securely bolted to same. The wooden bridge has been repaired.

General Navigation.

The necessary guide-piles, thirty-nine in number, have been driven between Shannon Harbour and Lough Derg. Sixty piles painted red, and 42 painted black, so as to define the proper sailing course; 10 floating buoys have been displaced by high wind or some accident, those were replaced in their proper positions; 15 buoys put out with anchors, chains, &c., all painted the usual colour, so as to define the sailing course on the lake.

RIVER MAIGUE NAVIGATION.

The works on this navigation are in very good repair, the bridge clean and well kept, the house and premises in good order; the accumulation of silt in the harbour has been removed at a trifling expense.

I have the honour to be, sir,

Your obedient servant,

WILLIAM MOLLOY.

The Secretary, Board of Public Works,
Custom House, Dublin.

APPENDIX C.

Landed Property Improvement.

Inspectors' Annual Reports.

APPENDIX C.

LANDED PROPERTY IMPROVEMENT.—INSPECTORS' ANNUAL REPORTS, 1875-76.

North-Western District, comprising the Counties of Fermanagh, Cavan, Monaghan, Leitrim, and Sligo.

April 4, 1876.

The working of the Land Improvement Acts in the north western district has been confined chiefly to buildings for agricultural purposes, labourers' dwellings, and farm offices. The diminution of tillage and consequent scarcity and high price of straw having rendered thatch very expensive and troublesome, slated roofs are everywhere in demand, and the liberal provisions of the Acts enabling owners to obtain money for new roofs to old cottages, provided the walls are strong enough, as well as to build new houses, have induced many to put their labourers into more substantial dwellings than were formerly common in this part of Ireland; and thus one of the most crying evils so long publicly commented upon, viz., the want of respectable habitations, has been diminished, and the samples of improved cottages are sufficiently numerous and well placed to serve as tangible evidence of a progress worth noting, and that is likely to continue and increase. Details of each case having been given with the separate certificates furnished to the Board as works progressed, this report for the year is intended chiefly to serve as a statement of the general results, together with any observations or opinions expressed concerning the Acts by those who have used the funds. That the provisions of the Legislature have been found advantageous, and the administration of the Board of Works satisfactory, is proved by the number of owners who commenced more than twenty-five years ago with loans for various kinds of improvements, and after paying back the charge have continued to apply for further loans as occasion required, and I think no further remark is needed on the subject.

WILLIAM P. PRENDERGAST.

Counties of Donegal and Down and a portion of the County of Londonderry.

Dunfanaghy, April, 1876.

In compliance with your request that I should make my report on the "Working of the Land Improvement Acts" in my district for the past year, I beg to inform you that my district comprises the counties of Donegal and Down and a portion of the county of Londonderry.

During the past year the works in progress under my inspection were as follows:—

In the *County Donegal*:—

Drainage, general reclamation, and building of farm offices by Mr. S. Fleming, near Letterkenny.
General reclamation by Philip Doyne, esquire, at Foxhall, Letterkenny.
General reclamation by Col. Stewart, at Rockhill, Letterkenny.
Farm buildings by Robert M'Clintock, esquire, Carrigans.

In the *County Londonderry*:—

General reclamation by Michael King, esquire, near Newtownlimavady.

In the *County Down*:—

Road-making at Holywood, by Captain Harrison.
Farm buildings at Tullyhubbert, by Mr. R. Patterson.
Farm offices for Lord Bangor, at Ballyculter.
Sea embankment by Lord Dufferin, at Dufferin.
Main drainage for James Price, esquire, Saintfield.
Main drainage by Mr. Ward, at Carsonstown.
Farm buildings by Daniel Delacherois, esquire, at Donaghadee.
Labourers' cottages by Col. Nugent, at Portaferry.

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I was only called on to make one preliminary inspection during the past year by Robert E. Ward, esquire, who is about to construct a sea embankment near Bangor.

In my former reports I have referred at some length to the improvements effected by Mr. Doyne at Foxhall, and Colonel Stewart at Rockhill. The loan to Mr. Doyne has now been fully expended, and it affords me satisfaction to say that the improvement effected thereby is very considerable and will be amply remunerative.

Mr. S. Fleming is expending his loan vigorously in the thorough drainage, fencing, and subsoiling of his land; and in the removal of the boulder stones which hitherto impeded his ploughs, he uses dynamite freely, and has found it most efficacious and easy, and safe of application. His works have been so far very well executed indeed; and I have no doubt that the good example he is setting in his neighbourhood will induce others to improve their land, the whole district surrounding Letterkenny being much in need of drainage and subsoiling works. Mr. Fleming's farm already shows evident signs of benefit, although the works are only in progress. He has also erected, under my supervision, some useful cattle sheds and other farm offices.

The reclamation works carried out by Michael King, esquire, near Newtownlimavady, are specially worthy of notice, not only on account of the excellence of the works themselves, but because they afford an example of the benefit to be derived from loans for agricultural improvements, little understood in this country, and of which the district under my supervision affords no other instance—I allude to the improvement of farms in the hands of tenantry by their landlord.

Mr. King, in dealing with tenants whose lands he has drained and improved under the Land Improvement Act, adopts one or other of the following methods:—

If the holding has been valued recently—before the improvement by the expenditure of the Government money—he adds £5 per cent. on the expenditure to the rent. (Mr. King pays himself £6 10s. per cent.)

If the farm on which the money has been expended has not been recently valued—say, within the last twenty years—the lands improved are valued, and the rent fixed immediately after the improvement works have been completed, and before any increased value may be added to them by the cultivation of the tenant.

Mr. King does not charge his tenantry with any of the expenditure on the arterial drainage which must necessarily be the precursor of the minor drainage works here under consideration.

In my opinion, if the landed gentry of the country could induce their tenants to make some such arrangement as above described, and would expend their own capital, or avail themselves of loans under the Improvement Acts, very great advantage would be derived not only by their tenants but by themselves.

A portion of the land reclaimed by Mr. King was spent on cut-away bog with clay subsoil, and his mode of treatment was as follows:—The land was first thorough drained—drains about thirty feet apart, and three feet six inches deep—the ground was then "set up" in ridge like potato ridges, and allowed to stand over a season, subjected to the influence of the frost and winter weather; in the following spring potatoes were "kibbed in," and when they appeared over ground, six to eight cwt. potato manure was spread over the ridges, and the furrows having been well pulverized, the earth was put on the ridge in the usual way. Thirty barrels of lime per acre was then spread and mixed with the surface soil of the ridge, excellent crops were then obtained; and by adopting the same course the following season, omitting the lime and placing the furrows in the centre of the former ridges, the whole land is thus subsoiled.

I saw some as fine crops of oats growing on lands that had been thus treated as I have ever seen, and on land that was not value for 2s. 6d. an acre in its former condition. The total cost of improvement, including lime, would be about £10 per acre.

All the improvements that I have inspected on Mr. King's estate have been executed in the most substantial manner, and reflect much credit on his very energetic manager, Mr. Dunn.

Generally speaking, the works in my districts have been well executed, and I have only to regret that so few have availed themselves of the provisions of the Land Improvement Acts, and I am of opinion that if a few pounds—very few, indeed, would be required—were spent in bringing the provisions of the Acts before the notice of tenant farmers and "small" owners, many more might be induced to obtain means to improve their holdings. These are the classes which most require aid, and who know literally nothing, generally speaking, of the facilities the various Land Improvement Acts afford them.

EDMUND MURPHY.

Counties of Antrim, Armagh, Donegal, Tyrone, and Down.

Dungannon, March 9, 1876.

I now beg leave to submit the following annual report for the information of the Commissioners of Public Works, on the working of the Land Improvement Acts for the year 1875, and up to the date of this report, for the past period of the current year:—

During this period I have made, in all, forty-three inspections, seven of which have been preliminary, the rest ordinary progress inspections; so that this will show an increase in drainage loans to the preceding year.

On account of the severity of the past winter, little work has been done, but which, I expect, will be pulled up if we have a favourable spring.

Viscount Templetown (county Antrim) is still carrying out his large drainage loan, which, I expect, will be finished out this year. His tenants seem to highly appreciate the drainage system, and everywhere in his lordship's property where the loan is expending, they (the tenants) are most desirous to have their lands drained.

I find there is an increasing desire to provide a good class of slated dwellings for the labouring class, and in many instances the thriving farmer is doing away with thatched houses and offices, and building comfortable residences.

I have no further remarks to make with regard to the district committed to my charge, except to state that all the works I have inspected are giving satisfaction to the proprietors, and are being (I may say in every instance) carried out well.

The rate of labour is about the same as when I had the honour of last reporting, and the probability is that more drainage loans will be applied for this year than heretofore.

THOMAS S. IRWIN,
Civil Engineer.

Counties of Carlow, Kildare, Kilkenny, King's, Queen's, Wexford, and Wicklow.

Ashfield Hall, Carlow,
12th February, 1876.

I beg to report that during the past year I have made twelve inspections of thorough drainage, fencing, &c., and thirty-one of farm buildings and labourers' dwellings.

In all cases of thorough drainage and fencing the works have been carefully and well executed.

Labourers' dwellings have, in most cases, been very well built.

Farm offices and farm dwellings have been all well built and improved.

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APPENDIX C.

Landed Property Improvement.

Inspectors' Annual Reports.

Tradesmen and labourers' wages have increased largely; materials for buildings have also increased in price. Notwithstanding this increased cost of such works, I find proprietors willing to improve where tenants agree to pay a proportion of cost.

I have been employed by the Board from the commencement of the working under the Land Improvement Acts, and during all that time—a period of thirty years—I have heard proprietors and occupiers of farms, in every case, express themselves highly satisfied with the facilities afforded them for executing improvements, and also with the results of their expenditure; in very many places the appearance of the country is greatly improved, both in the condition of farm lands, dwellings, and offices, and also by providing good, comfortable, neat dwellings for labourers.

J. FISHBOURNE.

County of Longford, and parts of Meath, Westmeath, Roscommon, and Mayo.

Newtownbond, Edgeworthstown,
18th April, 1876.

I now beg to furnish for the information of the Board my annual report on the working of the Land Improvement Acts in the above district for the year 1875, and up to the present date.

Since the date of my last report, I have made thirty-eight progress inspections, chiefly connected with building loans, and eight preliminary inspections for drainage, fencing, farm road making, &c., the most important of which were those on the estates of Lord Annaly and John Cooke, esq., in Longford, the late Hon. L. H. King-Harman, in Roscommon, and G. A. Rochford Boyd, esq., in Westmeath. I understand that they are all being carried on in a very satisfactory manner, and must prove of great advantage to the proprietors; and I think it is now easier to procure labourers than it was a few years ago, when they have the prospect of constant employment.

The applications for loans for building both farm offices and residences appear to be increasing, particularly from tenant farmers, though the price of materials has not been much reduced; but with the present price of straw for thatching, which also takes the manure from the farm, the outlay must be repaid in a few years.

I am happy to be able to say that all the works which I have inspected have been well and carefully executed.

WILLIAM BOND.

County of Tipperary and portion of the County of Clare.

Riverston, Nenagh,
February, 12, 1876.

In submitting this, my report on the working of the Land Improvement Act for the past year, I beg to state that the number of inspections I had been called on to make differs very slightly from that of the year 1874. They have chiefly been confined to cases connected with "farm buildings" and "labourers' dwellings." Only three applications for loans for thorough drainage were recommended by me for the approval of the Commissioners.

The progress inspections for drainage were six, that of the greatest extent being the case of Dean Butson, who has reclaimed a large extent of moor land, near Clonfert; the next in area being that of Capt. O'Brien, on his property near Tipperary.

The inspections for "farm buildings" have been fifteen, "labourers' dwellings" five, and one case of planting, that of Mr. Massy Dawson, who has enclosed and planted, to a considerable extent, a part of the range of mountain between Cahir and Bansha.

I have noticed that all through the district there has been a good deal of thorough drainage by the farmers. Whether any allowances out of their rents have been made by the landlords I am not able to say; but I am inclined to think that such have been undertaken without any agreement for allowance, the tenant considering he can have, in case of "disturbance," which is not likely, full compensation for such outlay.

I am happy to report, that each year more attention is given to the providing of suitable dwellings for labourers. Mr. Gibson, at Rockforest, has had a large loan for this purpose, and has built several very comfortable houses, with yards, &c., attached. Loans of smaller amount were had by Lord Rosse, the late Vicompte Chabôt, and Mr. Barton of Fethard. The houses they have built are quite suited for the class they are intended for.

For farm offices a large loan has been made to Mr. Parker of Castlelough, for a very extensive range of offices which are approaching completion, and for offices in connexion with, and addition to his residence at Somerset, near Parsonstown; a loan of nearly £2,000 has been made to, and very well expended by Mr. O'Meara, an extensive landholder in that neighbourhood; works of the same character, but on a smaller scale, have been completed by Mr. J. R. Minnett, at Annabeg, in Lower Ormond.

The advantages which this Act affords are so well known, and equally well appreciated throughout the district which for so many years has been intrusted to my inspection by the Board of Works, that I need not further refer to this point.

I think that greater facilities should be afforded to proprietors who are anxious to improve their properties by works of arterial drainages of a small scale, and that the country would derive much benefit thereby.

JAMES JOCELYN POE.

Counties of Galway, Mayo, Roscommon, and part of Clare.

Galway, 11th April, 1876.

In compliance with the request of the Board, I beg to forward the following remarks in relation to the working of the Land Improvements Acts in my district, during the past year:—

Since my last report in February, 1875, I have made eighty-two inspections—seventy-four progress and eight preliminary; and I have certified for works to the amount of £13,526 9*s.* 3*d.*, which shows a considerable increase in the sum expended during the corresponding period of the former year.

I am happy to state that during the past season, a large amount of open main and thorough drainage has been efficiently carried out, by means of which large tracts of land, hitherto of little value, are now in a condition to yield a very profitable return for the money which has been expended. The most important of these works were executed by Major Daly, of Raford; Mr. Richardson, of Tyaquin; Mr. Mahon, of Ballydonelan; Mr. Bagot, of Ballymoe; Mr. Francis Graham, of Ballinakill, and Mr. Martin, of Ross.

On Major Daly's estate, near Loughrea, very extensive works have been splendidly executed, including the deepening of a large river, nearly three miles in length, and the construction of some fine open main drains.

These works have already drained a large amount of land, and have also formed a basis for thorough drainage which is to be carried out this year. This gentleman has also executed some fine drainage work on his estate at Attymon.

The most complete specimens of thorough drainage which I have examined were executed by Mr. Graham, of Ballynakill, and Mr. Richardson, of Tyaquin. The latter gentleman has entered his work for the Agricultural Gold Medal, with, I think, every prospect of success

Mr. Rush, of Cuillaun, has satisfactorily reclaimed

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a considerable portion of cut-away bog, and Mr. Mahon, of Belleville, has also been successful in converting several acres of useless heathy soil into arable land.

Substantial farm dwellings are being erected by Mr. Kirwan, of Gardenfield; Mr. John O'Rorke, of Taghboy; and some good offices have been constructed by Mr. O'Shaughnessy, of Birchgrove, and Mr. Toler, of Bloomfield.

I have also inspected some very fine shelter plantations made by Mr. Pierce Joyce, of Merview, on his estate at Craigmore, which will afford valuable shelter to the stock fed on these high grounds.

In conclusion, I beg to say that the country is beginning to exhibit manifest signs of improvement resulting from works executed under loans.

All the works which I have inspected have been well carried out, and the landowners have expressed themselves thoroughly satisfied with the advantages of the present system.

The gentry are now becoming alive to the facilities offered by the Board; and I have every hope that extensive improvements will be carried out in this country, where so much still requires to be done.

EDWARD TOWNSEND.

County of Limerick, and portions of Clare, Tipperary, and Cork.

Limerick, 15th March, 1876.

In compliance with your circular, I beg to submit the following report on the general working of the Land Improvement Acts throughout my district for the year ending 31st December, 1875:—

During the preceding twelve months I made five preliminary and thirty-eight progress inspections, reporting upon thirty-five different loans, and certifying for an expenditure amounting in the aggregate to £9,979 4*s.* 10*d.*, being £111 7*s.* 7*d.* less than the expenditure certified by me for the year ending December, 1874.

During 1874 I certified for an outlay upon land improvement works of £5,375 16*s.* 5*d.*, and upon buildings £5,525 16*s.*, making a total expenditure of £10,901 12*s.* 5*d.*, whilst during the past year the expenditure has been upon land improvement works £3,132 1*s.* 8*d.*, and upon buildings £6,847 3*s.* 2*d.*, exhibiting in the former class of works a reduction of £2,243 14*s.* 9*d.*, and in the latter an increase to the extent of £1,351 7*s.* 2*d.*

The land improvement works in a general way consist of open main and thorough drainage, fencing, subsoiling, and planting for shelter. In addition, a very valuable work of slob reclamation on the Shannon has been very nearly completed by Mr. Dawson Westropp.

The buildings include farm dwellings, farm buildings, and labourers' dwellings. Many of the latter are still sadly needed throughout the country; but the cost of their erection necessitates a higher rent than in frequent cases the labourer is either willing or able to pay; otherwise, I have no doubt, proprietors would avail themselves more largely of the provisions of the Labourers' Dwellings Act.

The value of labour, both skilled and unskilled, is very much higher all through my district than it was some years ago. However, I am not able to notice any increase since the furnishing of my last annual report.

I have much pleasure in being able to refer to the fact, that in no instance have I known a borrower to be dissatisfied with the result of an expenditure under the Land Improvement Acts.

WILLIAM SIDNEY COX,
M. Inst. C.E.I.

County of Kerry.

Tralee, 8th February, 1876.

Pursuant to your order of the 1st inst., I have to report to the Commissioners of Public Works on the working of the Land Improvement Acts in my district of inspection for the past year.

There is a decrease of expenditure of 20 per cent. as compared with the year 1874, and that decrease is almost entirely in the outlay on land improvements, viz:—

	Buildings. £ s. d.	Land Improvement. £ s. d.	£ s. d.
1874, .	7,236 4 5	5,338 17 10 =	12,574 2 4
1875, .	7,244 15 6	2,919 8 3 =	10,164 3 9
		Decrease, . .	£2,409 18 7

But the most remarkable change is to be seen in the fact that more than half the land improvement works, and very nearly half the whole of the building works, are executed by the proprietors on farms in their own occupation, or not intended for letting to tenants; and there is less improvement of either kind now in progress for the benefit of lands in tenancy than there has ever been, I believe, since the Land Improvement Act was passed, twenty-nine years ago.

This is one of the results of the Land Bill of 1870 which was always expected. However, the fluctuation in yearly outlay is not much. The improvement of the country, small as it is, comparatively, under that Act, is still going on with all the benefit that must follow from experience, and the good example set by the proprietors in most cases. The progress is slow, but it is quickening, for I can observe great activity, particularly in the north and central parts of Kerry, among the farmers, in making improved cattle houses, and enlarging their own dwellings, but not for the labourers.

The general working of the Land Improvement Acts depends more on the improvement of the labouring class than on anything else, and with the return of work for wages still on the decrease, as it certainly is easy to see that the benefit of advantageous loans must decrease also.

There have been too few labourers' dwellings built last year in Kerry, and most of them were too costly. The Knight of Kerry and Mr. James Butler have built a good number of them, and they only have put up dwellings that may be called a financial success.

HENRY STOKES.

County of Cork.

Cork, 16th February, 1876.

In accordance with your instructions, I have the honour to submit to you an account of the working of the Land Improvement Acts in my district for the past year.

I have made twenty-four progress inspections of buildings, eighteen progress inspections for land improvement, and six preliminary inspections for land improvement.

There is a decided tendency towards improving the dwellings of both the farmers and labourers, and the building works have all been carried out in a satisfactory manner. The land improvement cases were not for as large amounts as in former years—chiefly from the great scarcity of labour—but were all well executed. The preliminary cases were chiefly for small sums. The proprietors who have obtained loans all acknowledge the benefits to be derived therefrom, and if labour were to be obtained more easily, would avail themselves more largely of the advantages to be obtained under the Land Improvement Acts.

J. T. CORNWALL.

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APPENDIX D.

Landed Property Improvement Loans.

APPENDIX D.

Landed Property Improvement Acts, 10th Vic., chap. 32, &c.

Schedule—Showing the Loans in progress, the Amounts sanctioned, and issued by Instalments, with the Date of the last Order to Issue, to the 31st March, 1876.

NORTHERN DISTRICT.

County.	Applicant.	Amount sanctioned. £ s. d.	Amount issued. £ s. d.	No. of Instalments issued.	Date of last Order to Issue.
Antrim,	Viscount Templetown,	7,000 0 0	4,000 0 0	8	10 August, 1875.
	Ditto,	1,170 0 0	920 0 0	4	12 November, 1873.
	Rev. John Beatty,	880 0 0	175 0 0	1	31 January, 1876.
	Rev. Robert Wilson Rowan,	300 0 0	60 0 0	1	6 March, "
	Ditto,	100 0 0	20 0 0	1	" "
	Anthony Traill,	100 0 0	30 0 0	1	21 " "
Armagh,	The Earl of Charlemont,	880 0 0	680 0 0	4	5 October, 1875.
	Lord Lurgan,	120 0 0	20 0 0	1	2 November, "
Londonderry,	Michael King,	1,600 0 0	960 0 0	3	25 August, 1875.
	William Osborne,	760 0 0	450 0 0	3	28 October, "
	Sir N. A. Staples,	1,000 0 0	800 0 0	4	18 January, 1876.
	William Howard Galt,	200 0 0	200 0 0	5	5 November, 1875.
Donegal,	Alex. J. R. Stewart,	4,000 0 0	1,500 0 0	3	25 September, 1873.
	Ditto,	6,750 0 0	3,500 0 0	7	2 December, 1874.
	P. J. Doyne,	100 0 0	80 0 0	4	25 February, "
	Thomas Conolly,	1,650 0 0	1,320 0 0	4	2 " "
	A. C. H. Stewart,	1,500 0 0	300 0 0	1	3 October, 1873.
	Alex. J. R. Stewart,	5,600 0 0	1,500 0 0	3	5 November, 1875.
Fermanagh,	John G. Irvine,	660 0 0	520 0 0	4	24 November, 1874.
	The Marquis of Ely,	1,000 0 0	600 0 0	3	27 June, 1873.
	J. C. Bloomfield,	1,025 0 0	400 0 0	2	2 December, "
	S. J. Stewart and wife,	150 0 0	90 0 0	3	6 April, 1875.
	John G. Irvine,	1,000 0 0	1,000 0 0	5	4 December, "
	Ditto,	550 0 0	110 0 0	1	22 March, "
	William Gore,	500 0 0	500 0 0	5	3 February, 1876.
	John Arthur Pomeroy,	100 0 0	100 0 0	5	14 December, 1875.
	John Grey Vesey Porter,	2,500 0 0	500 0 0	1	24 March, 1876.
Tyrone,	Robert W. Lowry,	3,000 0 0	1,000 0 0	2	17 April, 1872.
	John S. Galbraith,	770 0 0	770 0 0	0	28 May, 1875.
	John S. Galbraith and others,	495 0 0	450 0 0	5	27 " "
	James C. J. Lowry,	685 0 0	520 0 0	4	16 February, 1870.
	Thomas S. Irwin,	150 0 0	60 0 0	2	23 July, 1875.
	Ditto,	350 0 0	140 0 0	2	" "
	Andrew Buchanan,	400 0 0	160 0 0	2	9 February, 1876.
	Robert William Lowry,	800 0 0	320 0 0	2	10 August, 1875.
	James Leeper,	100 0 0	20 0 0	1	9 September, "
	Ditto,	130 0 0	75 0 0	3	19 November, "
	The Duke of Abercorn,	2,500 0 0	2,000 0 0	4	7 March, 1676.
	Hugh de F. Montgomery,	180 0 0	35 0 0	1	22 January, 1676.
Down,	Thomas Greg,	1,000 0 0	600 0 0	3	16 January, 1678.
	The Earl of Dufferin,	1,370 0 0	1,080 0 0	4	30 November, 1875.
	Robert E. Ward,	400 0 0	80 0 0	1	6 March, "
	Viscount Bangor,	855 0 0	170 0 0	1	16 " 1876.

MIDLAND AND EASTERN DISTRICT.

Cavan,	The Right Rev. N. Conaty & others,	570 0 0	440 0 0	4	15 December, 1874.
	Lord Lisgar,	400 0 0	160 0 0	2	18 May, 1675.
	Ditto,	600 0 0	120 0 0	1	3 November, 1875.
	St. George Mervyn Nugent,	1,970 0 0	390 0 0	1	1 February, 1876.
Monaghan,	William Anketell,	500 0 0	300 0 0	3	6 April, 1875.
	Ditto,	275 0 0	165 0 0	3	" "
	W. E. de V. Kane,	275 0 0	275 0 0	5	" "
	Ditto,	150 0 0	120 0 0	4	" "
	Lady Martha Power,	1,800 0 0	1,440 0 0	4	6 October, 1675.
Louth,	George S. Milne,	300 0 0	60 0 0	1	23 March, 1876.

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(D.) Schedule showing the Loans in progress, the Amounts sanctioned, &c.—*continued.*

APPENDIX D.

Landed Property Improvement Loans.

County.	Applicant.	Amount sanctioned. £ s. d.	Amount issued. £ s. d.	No. of Instalments issued.	Date of last Order to Issue.
LONGFORD,	The Earl of Longford,	1,100 0 0	660 0 0	6	18 June, 1874.
	The Earl of Granard,	1,000 0 0	800 0 0	4	13 January, 1875.
	William Bond,	100 0 0	40 0 0	2	13 August, 1874.
	Ditto,	200 0 0	40 0 0	1	30 December, 1873.
	The Rev. Francis T. Gregg,	490 0 0	270 0 0	3	14 March, 1876.
	T. L. O'Ferrall,	360 0 0	280 0 0	4	20 December, 1875.
	Joseph Allen,	100 0 0	20 0 0	1	8 September, 1875.
	William Bond,	500 0 0	100 0 0	1	18 October, 1875.
	The Rev. J. E. E. Edgeworth,	200 0 0	40 0 0	1	1 December, "
	John Cooke,	1,780 0 0	350 0 0	1	8 " "
	M. P. Edgeworth,	220 0 0	40 0 0	1	25 February, 1876.
	Lord Annaly,	2,420 0 0	480 0 0	1	7 March, "
	J. M'Dermott,	350 0 0	70 0 0	1	31 " "
MEATH,	The Marquis of Headfort,	500 0 0	400 0 0	4	18 December, 1874.
	Thomas Fitzherbert,	1,600 0 0	1,280 0 0	4	29 July, 1875.
	Anne Levinge,	200 0 0	80 0 0	2	3 June, 1874.
	John Maguire,	400 0 0	160 0 0	2	28 February, "
	William A. Barnes,	100 0 0	80 0 0	4	21 March, "
	The Marquis of Headfort,	3,875 0 0	1,500 0 0	6	31 August, 1875.
	N. F. Preston,	980 0 0	380 0 0	2	20 March, "
	James L. Naper,	2,240 0 0	890 0 0	2	30 November, "
	James A. Shields,	900 0 0	900 0 0	5	29 October, "
	Claud Cole Hamilton,	1,225 0 0	1,225 0 0	5	17 December, "
	Marquis of Lansdowne,	250 0 0	250 0 0	5	25 November, "
	Thomas Flood,	400 0 0	80 0 0	1	27 August, "
	Baron Langford,	945 0 0	540 0 0	3	22 January, 1876.
	Charles W. Hamilton,	105 0 0	30 0 0	1	2 December, 1875.
	M. W. O'Connor and W. G. C. Wade,	400 0 0	90 0 0	1	8 January, 1876.
	Bryan Brady,	250 0 0	50 0 0	1	10 " "
	James and John Traynor,	100 0 0	20 0 0	1	14 February, "
	William N. Waller,	395 0 0	75 0 0	1	24 March, "
WESTMEATH,	Thomas Murray,	700 0 0	420 0 0	3	4 February, 1876.
	Rev. T. T. Gray,	685 0 0	270 0 0	2	23 April, 1875.
	The Hon. L. Smyth and Wife,	180 0 0	105 0 0	6	5 January, 1876.
	Anna Lowry (rep. of),	200 0 0	120 0 0	3	11 June, 1875.
	J. F. H. Lowry,	150 0 0	120 0 0	4	10 February, 1876.
	Sir R. G. A. Levinge,	1,200 0 0	960 0 0	4	19 July, 1875.
	Thomas Meeho,	120 0 0	80 0 0	4	25 August, "
	The Earl of Longford,	8,330 0 0	500 0 0	1	28 October, 1875.
	Harriet Conolly and J. A. Conolly,	500 0 0	100 0 0	1	20 February, 1870.
	The Rev. Thomas Acton Drought,	250 0 0	50 0 0	1	4 March, "
DUBLIN,	Thomas Plunkett,	800 0 0	800 0 0	5	14 January, 1874.
	Robert Exham,	350 0 0	280 0 0	4	1 December, 1873.
	The Hon. St. John Butler,	800 0 0	320 0 0	2	22 December, 1874.
	Eliza Watson,	600 0 0	240 0 0	4	3 April, 1875.
	John Addy,	150 0 0	150 0 0	5	11 June, 1874.
	Michael Gaffney,	650 0 0	650 0 0	5	29 March, 1876.
	The Hon. Sophia H. Hutchinson,	1,300 0 0	260 0 0	1	1 December, 1874.
	Edward Ellis Mayne,	300 0 0	300 0 0	5	10 December, 1875.
	Henry O. Lewis,	700 0 0	560 0 0	4	23 February, 1876.
	Malachi S. Hussey,	355 0 0	140 0 0	2	4 March, "
KILDARE,	The Duke of Leinster,	7,800 0 0	6,500 0 0	13	18 March, 1876.
	The Rev. F. Fitzpatrick,	150 0 0	150 0 0	5	27 January, 1875.
	B. Fitzpatrick,	250 0 0	200 0 0	4	29 June, 1875.
	John Kane,	250 0 0	200 0 0	4	12 February, "
	E. C. Bolton,	200 0 0	200 0 0	5	18 March, 1876.
	J. La Touche,	210 0 0	200 0 0	5	20 " "
	W. R. and M. J. Rainsford,	550 0 0	550 0 0	5	" "
	F. Bonham,	260 0 0	50 0 0	1	27 August, 1875.
	C. Rynd,	800 0 0	160 0 0	1	29 September, "
	George F. Brooke,	1,000 0 0	200 0 0	1	7 March, 1876.
KING'S,	M. P. Berry,	200 0 0	200 0 0	5	4 August, 1875.
	Arthur Burriss,	375 0 0	70 0 0	1	12 April, "
	James Smallman,	270 0 0	260 0 0	5	18 June, "
	George Winter,	300 0 0	240 0 0	4	14 January, 1876.
	Edward J. Briscoe,	350 0 0	280 0 0	4	27 October, 1875.
	Earl of Huntingdon,	435 0 0	320 0 0	4	15 January, 1876.

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APPENDIX D.

Landed Property Improvement Loans.

(D.) Schedule showing the Loans in progress, the Amounts sanctioned, &c.—*continued.*

County.	Applicant.	Amount sanctioned.	Amount issued.	No. of Instalments issued.	Date of last Order to Issue.
		£ s. d.	£ s. d.		
QUEEN'S,	Viscount Ashbrook,	3,250 0 0	2,000 0 0	4	13 December, 1875.
	The Marquis of Lansdowne,	895 0 0	525 0 0	3	24 March, "
	Ditto,	1,275 0 0	1,000 0 0	4	" " "
	Robert G. Coaby,	4,000 0 0	1,500 0 0	3	3 August, "
	Lord Castletown,	500 0 0	500 0 0	5	22 August, 1874.
	Samuel Edge,	1,200 0 0	960 0 0	4	28 March, 1876.
	Richard Despard,	1,000 0 0	200 0 0	1	31 December, 1874.
	R. H. Stubber,	300 0 0	80 0 0	1	8 September, 1875.
	Very Rev. Arthur Moore,	200 0 0	40 0 0	1	20 February, 1876.
WICKLOW,	The Baron de Robeck,	855 0 0	510 0 0	3	0 June, 1875.
	Charles W. Barton,	650 0 0	550 0 0	5	4 January, 1876.
	Edward S. Bayly,	150 0 0	90 0 0	3	4 March, 1875.
	The Earl of Carysfort,	3,400 0 0	2,000 0 0	4	20 " "
	Ditto,	480 0 0	270 0 0	3	30 " "
	George T. Hanks,	100 0 0	80 0 0	4	16 July, "
	Ditto,	600 0 0	500 0 0	5	2 September, "
	B. R. Wingfield,	100 0 0	80 0 0	4	13 April, "
	John Freeman Nuttall,	150 0 0	60 0 0	2	4 January, 1875.
	Earl of Carysfort,	450 0 0	450 0 0	5	10 February, "
	Ditto,	5,850 0 0	1,500 0 0	3	5 January, "
	G. T. Hanks,	200 0 0	40 0 0	1	31 March, "
CARLOW,	Robert Watson,	810 0 0	540 0 0	4	23 January, 1875.
	P. J. Newton,	2,030 0 0	2,000 0 0	5	20 November, "
	The Earl of Courtown,	100 0 0	80 0 0	4	5 January, 1876.
	John Alexander,	180 0 0	175 0 0	5	20 May, 1875.
	Ditto,	850 0 0	300 0 0	3	1 September, "
	Denis W. Pack Beresford,	500 0 0	100 0 0	5	4 December, "
	J. C. Brady,	200 0 0	120 0 0	3	20 January, 1876.
	J. Alexander,	200 0 0	120 0 0	3	18 February, "
KILKENNY,	Thomas Boyd,	375 0 0	70 0 0	1	5 August, 1872.
	Ditto,	500 0 0	100 0 0	1	26 " "
	Maurice Kelly,	250 0 0	200 0 0	4	23 November, 1875.
	Earl of Desart,	465 0 0	465 0 0	6	13 July, "
WEXFORD,	George W. Maunsell,	500 0 0	300 0 0	3	6 August, 1873.
	J. E. D. Drake,	810 0 0	160 0 0	1	11 June, 1875.
	David Beatty,	450 0 0	90 0 0	1	10 October, "
	Soloman Richards,	1,000 0 0	600 0 0	4	13 January, 1876.

WESTERN DISTRICT.

County.	Applicant.	Amount sanctioned.	Amount issued.	No. of Instalments issued.	Date of last Order to Issue.
SLIGO,	Robert Orme,	250 0 0	100 0 0	2	12 December, 1870.
	E. B. Cooper,	2,310 0 0	1,840 0 0	4	24 March, 1875.
	Thomas W. Goff.	100 0 0	20 0 0	1	6 August, 1874.
	F. M. Olpherts,	300 0 0	120 0 0	2	30 November, 1875.
	John Boyd,	800 0 0	600 0 0	5	18 February, 1876.
	E. H. Cooper,	3,730 0 0	500 0 0	1	21 " "
	W. G. W. Martin,	800 0 0	160 0 0	1	0 March, "
MAYO,	Lord Oranmore,	5,000 0 0	5,000 0 0	10	6 March, 1874.
	A. C. Lambert,	300 0 0	180 0 0	3	31 January, 1874.
	Harriett Gardiner,	600 0 0	240 0 0	2	15 July, 1873.
	Dominick A. Browne,	670 0 0	260 0 0	2	3 November, 1874.
	William Orme,	250 0 0	250 0 0	5	11 August, 1875.
	Stanhope W. F. Kenny,	450 0 0	90 0 0	1	16 January, 1874.
	Peter D. Browne,	250 0 0	250 0 0	5	19 June, 1875.
	Francis B. Armstrong,	500 0 0	300 0 0	3	9 October, "
	Rev. Dominick A. Browne,	220 0 0	150 0 0	4	29 September, "
	Thomas Tighe,	700 0 0	140 0 0	1	21 January, "
	Ditto,	300 0 0	50 0 0	1	" "
	Frederick T. Lewen,	300 0 0	240 0 0	4	8 April, "
	Edward Bush,	2,000 0 0	400 0 0	1	15 February, "
	William Orme,	300 0 0	240 0 0	4	28 March, 1876.
	J. C. Walshe,	150 0 0	30 0 0	1	18 October, 1875.
	Ditto,	120 0 0	20 0 0	1	1 November, "
	Joseph Bourke,	155 0 0	30 0 0	1	18 " "
	Anne Gildea,	140 0 0	25 0 0	1	8 March, 1876.
	Ditto,	250 0 0	50 0 0	1	" "
LEITRIM,	Thomas Lloyd,	230 0 0	230 0 0	5	2 October, 1875.

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(D.) Schedule showing the Loans in progress, the Amounts sanctioned, &c.—*continued.*

APPENDIX D.

Landed Property Improvement Loans.

County.	Applicant.	Amount sanctioned. £ s. d.	Amount issued. £ s. d.	No. of Instalments issued.	Date of last Order to Issue.
ROSCOMMON,	Andrew S. Kirkwood,	710 0 0	420 0 0	3	7 January, 1874.
	Ditto,	520 0 0	520 0 0	6	21 April, "
	Henry S. P. Mahon,	535 0 0	300 0 0	3	12 April, 1875.
	Guardians of William J. Talbot,	1,045 0 0	400 0 0	2	31 December, "
	John C. Murphy,	355 0 0	210 0 0	3	21 January, "
	Rev. Peter Toler,	285 0 0	220 0 0	4	16 November, "
	John W. Mitchell,	200 0 0	120 0 0	3	5 July, "
	James Patrick Maguire,	250 0 0	50 0 0	1	30 March, "
	Hon. L. H. King-Harman (Rep. of),	700 0 0	560 0 0	4	21 " 1876.
	William Murray,	100 0 0	100 0 0	5	17 November, 1875.
	Percy Magan,	100 0 0	50 0 0	3	3 February, 1875.
	Rev. John O'Rorke,	600 0 0	360 0 0	3	12 November, 1875.
	Lord Crofton,	220 0 0	160 0 0	4	9 March, 1876.
	J. J. O'Shaughnessy,	400 0 0	400 0 0	5	31 " "
	Rev. Andrew Quinn,	280 0 0	55 0 0	1	24 January, "
	Henry Sandford P. Mahon,	600 0 0	120 0 0	1	3 March, "
GALWAY,	John H. Blake,	150 0 0	30 0 0	1	11 December, 1871.
	Eleanor M. Redington,	500 0 0	100 0 0	1	18 March, "
	H. J. Blake,	400 0 0	240 0 0	3	27 January, 1876.
	John Blakeney,	1,100 0 0	600 0 0	3	23 July, 1874.
	B. D. Kelly,	760 0 0	450 0 0	4	20 March, "
	R. J. Martin,	1,100 0 0	660 0 0	3	19 August, 1675.
	Venerable C. H. C. Butson,	2,365 0 0	1,410 0 0	3	10 July, "
	Michael Roache,	500 0 0	500 0 0	5	6 September, "
	John A. Daly,	5,000 0 0	1,500 0 0	3	2 October, "
	Francis L. Comyn,	270 0 0	270 0 0	5	21 April, "
	Henry B. Mahon,	1,315 0 0	780 0 0	3	11 March, "
	John L. Bagot,	2,420 0 0	950 0 0	2	15 June, "
	Henry S. Persse,	700 0 0	420 0 0	3	6 July, "
	Thomas Seymour,	950 0 0	380 0 0	1	6 October, "
	Giles E. Lambert,	500 0 0	500 0 0	5	20 March, 1676.
	Martin Doherty,	100 0 0	100 0 0	5	24 July, 1875.
	A. C. and N. G. Richardson,	1,100 0 0	440 0 0	2	18 February, 1876.
	Pierce Joyce,	600 0 0	240 0 0	2	2 October, 1875.
	Ditto,	150 0 0	150 0 0	5	" "
	Henry Kirwan,	2,400 0 0	1,440 0 0	8	18 March, 1876.
	F. J. Graham,	1,100 0 0	440 0 0	2	20 January, 1876.
	Ditto,	280 0 0	50 0 0	1	8 July, 1875.
	Harriot Galway,	100 0 0	20 0 0	1	27 " "
	Ditto,	500 0 0	240 0 0	2	2 March, 1876.
	Pierce Joyce,	500 0 0	800 0 0	3	17 December, 1875.
	Anthony J. Lynch,	200 0 0	80 0 0	2	9 February, 1876.
	F. L. Comyn,	550 0 0	220 0 0	2	18 " "
	T. R. Roche,	500 0 0	100 0 0	1	18 December, 1875.
	A. W. Duggan,	850 0 0	170 0 0	1	3 February, 1676.
CLARE,	John C. Delmege,	800 0 0	480 0 0	3	20 March, 1874.
	William Stacpoole,	1,080 0 0	840 0 0	4	10 May, 1873.
	Nicholas S. O'Gorman,	395 0 0	225 0 0	3	17 September, 1875.
	George F. Purdon,	820 0 0	640 0 0	4	2 March, 1876.
	F. Brew,	100 0 0	30 0 0	1	23 August, 1875.
	Thomas F. V. Fitzgerald,	1,800 0 0	360 0 0	1	5 October, "
	Jane Stackpoole,	500 0 0	500 0 0	5	9 December, "
	C. G. O'Callaghan,	325 0 0	65 0 0	1	22 January, 1876.
	Thomas Rice Henn,	1,000 0 0	220 0 0	1	24 " "

SOUTHERN DISTRICT.

County.	Applicant.	Amount sanctioned. £ s. d.	Amount issued. £ s. d.	No. of Instalments issued.	Date of last Order to Issue.
LIMERICK,	Rev. R. Fitzgerald,	1,000 0 0	600 0 0	3	20 November, 1673.
	Ditto,	1,200 0 0	960 0 0	4	27 February, "
	Lord Monteagle,	800 0 0	640 0 0	4	4 " 1675.
	Lord Emly,	395 0 0	225 0 0	3	5 April, "
	Lord Cloncurry,	600 0 0	240 0 0	2	2 July, 1874.
	Richard Bateson,	740 0 0	740 0 0	6	6 January, 1876.
	R. A. Pigott,	780 0 0	200 0 0	2	11 March, 1876.
	James B. Staveley (Rep. of),	100 0 0	50 0 0	3	1 December, 1875.
	E. W. O'Brien,	350 0 0	70 0 0	1	2 November, "
	A. R. Caulfield,	500 0 0	100 0 0	1	9 " "
	Lord Monteagle,	200 0 0	40 0 0	1	10 " "
	Marquess of Lansdowne,	300 0 0	180 0 0	3	13 January, 1876.
	Arthur R. Lloyd,	250 0 0	50 0 0	1	8 March, "
TIPPERARY,	Thomas Donovan,	400 0 0	150 0 0	2	1 August, 1874.
	F. H. Massy,	420 0 0	240 0 0	3	3 June, "
	Robert Roe,	595 0 0	345 0 0	3	21 August, 1874.
	Henry D. Head,	200 0 0	160 0 0	4	26 May, 1875.
	Arthur N. Webb,	500 0 0	500 0 0	5	15 " "
	The Viscount de Chabot,	300 0 0	120 0 0	2	21 September, 1874.
	Michael Meagher,	140 0 0	75 0 0	3	22 March, 1670.

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APPENDIX D.

Landed Property Improvement Loans.

(D.) Schedule showing the Loans in progress, the Amounts sanctioned, &c.—*continued.*

County.	Applicant.	Amount sanctioned. £	s.	d.	Amount issued. £	s.	d.	No. of Instalments issued.	Date of last Order to issue.
TIPPERARY—*con.*,	Anthony Parker,	1,985	0	0	1,500	0	0	4	14 March, 1876.
	Thomas Rochfort,	460	0	0	460	0	0	5	22 December, 1875.
	George K. S. M. Dawson,	200	0	0	40	0	0	1	4 August, ,,
	John Bourke,	180	0	0	35	0	0	1	3 September, ,,
	Eliza Studdert and others,	100	0	0	100	0	0	5	0 November, ,,
	Edward White,	200	0	0	40	0	0	1	14 February, 1870.
	M. Healy, jun.,	175	0	0	35	0	0	1	29 ,, ,,
	J. H. Lutman and wife,	1,500	0	0	300	0	0	1	7 March, ,,
	W. D. Farrar,	350	0	0	70	0	0	1	21 ,, ,,
CORK,	Sir G. C. Colthurst, Bart.,	2,000	0	0	2,000	0	0	5	31 January, 1873.
	Ditto,	1,200	0	0	240	0	0	1	7 February, ,,
	C. W. T. Ponsonby,	150	0	0	105	0	0	3	17 April, ,,
	R. U. Bayly,	1,150	0	0	920	0	0	4	17 February, 1875.
	Sir G. C. Colthurst,	2,000	0	0	800	0	0	2	22 May, 1874.
	Ditto,	500	0	0	400	0	0	4	3 July, 1875.
	Wallis Adams,	400	0	0	160	0	0	2	14 May, 1874.
	Ditto,	850	0	0	510	0	0	3	29 December, 1873.
	Robert Reeves,	350	0	0	140	0	0	2	30 October, 1874.
	S. T. W. French,	100	0	0	80	0	0	4	24 November, ,,
	Eugene Daly,	200	0	0	160	0	0	4	16 ,, 1876.
	Michael Morris,	215	0	0	160	0	0	4	27 February, 1874.
	Arthur Langford,	380	0	0	380	0	0	0	8 August, 1875.
	John H. Bryan,	200	0	0	120	0	0	3	11 March, 1876.
	Rev. M. A. C. Collis,	500	0	0	500	0	0	5	5 April, 1875.
	Rev. J. B. Heard,	200	0	0	200	0	0	5	5 January, ,,
	Ditto,	100	0	0	60	0	0	3	15 June, ,,
	George Bolster,	180	0	0	70	0	0	2	1 November, ,,
	Joshua Cooper,	100	0	0	20	0	0	1	10 September, 1874.
	Cornelius D. Collins,	200	0	0	80	0	0	2	13 July, 1875.
	Thomas Carney,	375	0	0	150	0	0	2	24 February, 1876.
	C. P. Coote,	2,000	0	0	400	0	0	1	26 May, 1875.
	D. C. Bastable,	150	0	0	30	0	0	1	3 June, ,,
	C. W. T. Ponsonby,	100	0	0	60	0	0	3	8 January, 1870.
	Lord Midleton,	300	0	0	120	0	0	2	5 November, 1875.
	R. Smith,	1,000	0	0	200	0	0	1	29 September, ,,
	F. H. Roberts,	470	0	0	90	0	0	1	23 December, ,,
	N. L. A. Beamish,	910	0	0	180	0	0	1	20 January, 1876.
	Nicholas Pomeroy,	305	0	0	60	0	0	1	11 March, ,,
WATERFORD,	F. G. Bloomfield and Wife,	125	0	0	100	0	0	4	14 January, 1870.
	Richard Kirk,	500	0	0	500	0	0	5	6 May, 1874.
KERRY,	The Knight of Kerry,	500	0	0	300	0	0	3	1 June, 1875.
	Ditto,	1,000	0	0	200	0	0	1	2 November, 1872.
	Ditto,	1,000	0	0	1,000	0	0	5	15 December, 1875.
	Ditto,	2,000	0	0	400	0	0	1	5 July, 1872.
	Rowland Bateman,	1,800	0	0	800	0	0	2	12 October, 1874.
	Sir R. Blennerhassett, Bart.,	1,000	0	0	200	0	0	1	27 April, 1872.
	Ditto,	630	0	0	120	0	0	1	20 March, 1873.
	The Marquis of Lansdowne,	5,950	0	0	4,000	0	0	8	6 August, 1874.
	Rev. George Browne,	1,300	0	0	520	0	0	2	18 September, 1871.
	Rev. Richard Fitzgerald,	1,370	0	0	540	0	0	2	23 April, 1874.
	George Hewson,	1,885	0	0	1,440	0	0	4	13 May, 1875.
	The Earl of Kenmare,	8,000	0	0	2,500	0	0	5	22 November, 1860.
	Henry A. Herbert,	1,680	0	0	990	0	0	3	5 January, 1876.
	Ditto,	11,320	0	0	2,000	0	0	4	11 February, ,,
	William C. Hickie,	800	0	0	800	0	0	5	5 April, 1875.
	James Crosbie,	640	0	0	600	0	0	5	4 October, ,,
	Rev. J. F. Day,	100	0	0	20	0	0	1	28 August, 1874.
	Arthur Edward Herbert,	300	0	0	240	0	0	4	30 June, 1875.
	Langford Rae,	2,325	0	0	930	0	0	2	21 December, 1874.
	Daniel O'Connell,	540	0	0	300	0	0	3	14 January, 1875.
	Stephen E. Collis,	1,300	0	0	260	0	0	1	12 March, ,,
	E. and L. Rae,	3,500	0	0	500	0	0	1	10 April, ,,
	Thomas W. Sandes,	2,130	0	0	1,260	0	0	3	12 February, 1876.
	E. M. Bernard,	750	0	0	600	0	0	4	1 February, ,,
	H. A. Herbert,	2,260	0	0	450	0	0	1	18 July, 1875.
	W. T. Crosbie,	430	0	0	425	0	0	5	1 December, ,,
	James Butler,	500	0	0	100	0	0	1	13 October, ,,
	The Earl of Kenmare,	1,640	0	0	640	0	0	2	22 December, ,,
	Ditto,	7,840	0	0	1,000	0	0	2	30 ,, ,,
	Richard Mahony,	270	0	0	100	0	0	2	13 January, 1870.
	Sir R. Blennerhassett, Bart.,	450	0	0	450	0	0	5	22 ,, ,,
	Charles Sandes,	260	0	0	100	0	0	2	18 March, ,,

By order,

E. HORNSBY, *Secretary.*

Office of Public Works, Dublin,
1st *June*, 1876.

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APPENDIX E.

NATIONAL MONUMENTS AND ECCLESIASTICAL RUINS.

REPORT of Mr. T. N. DEANE upon the WORKS executed and their results, with EXPLANATORY DRAWINGS.

In accordance with instructions received on my appointment as Superintendent of National Monuments in Ireland, I proceeded to make an inspection to enable me to report as to what was necessary for their maintenance.

The monuments under my charge are as follows :—

	County.
Rock of Cashel,	Tipperary.
Devenish Church and Tower,	Fermanagh.
Donaghmore Cross,	Louth.
Donaghmore Church and Tower, St. Columb's House, Kells,	Meath.
Killala Round Tower,	Mayo.
Kilkamony Cross, Kilkeeran Cross,	Kilkenny.
Two Crosses, Kilcleshin,	Tipperary.
Ardmore Cathedral, Round Tower, St. Declan's Tomb,	Waterford.
Ruins Seven Churches, Glendalough,	Wicklow.
Ardfert Cathedral, and Two Churches, Gallerus Church, Parish of Kilmachedar,	Kerry.
Cashel Cathedral,	Tipperary.

The greater number of the foregoing I have visited and reported upon, and have either commenced or completed the works at the Rock of Cashel, Ardmore, Glendalough, and Ardfert.

I have in the strictest manner complied with what was my leading instruction, that no work constituting a restoration should be done, further than was absolutely necessary for the safety of the building.

The reports which I have already referred to set forth clearly what I have recommended, and my subsequent report enters in detail into what has been done.

Report on Works at ROCK OF CASHEL.

Now that these works are drawing to a close, I think it desirable to make a supplemental report, setting forth what has been done, and how the money granted for this building has been expended.

As I anticipated, many things have arisen during the progress of the work which have caused modifications and changes in what I recommended in my former report.

In King Cormac's chapel especially, matters of interest have arisen connected with its original plan, as well as matters of detail, which have been carefully recorded. Amongst these I would note the following :—

The outer portion of the wall* at east end, behind the altar, was modern work, which, on being removed was found to conceal two small windows which cast a side light upon the altar. These windows had circular heads on the outside, square to the interior; opes wider at base than at head.

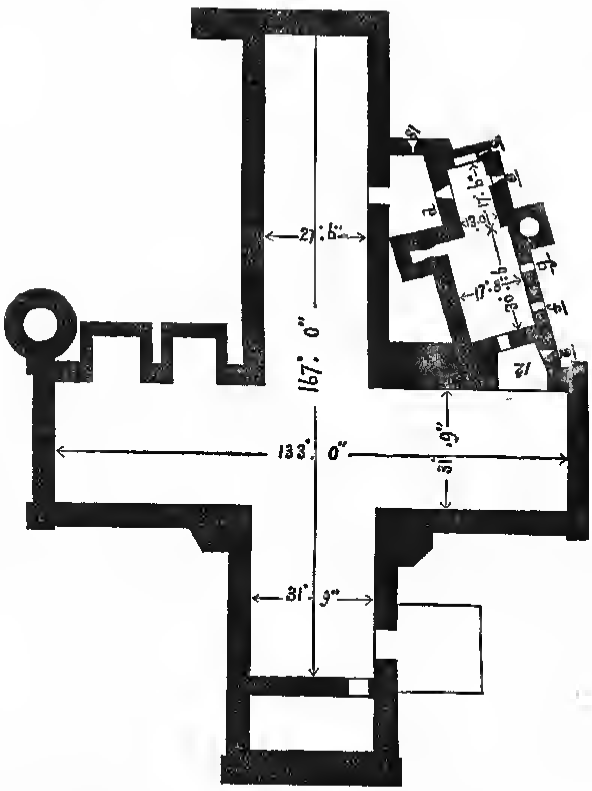
That on the south side is on the same plane as the wall at B; but on the north the heads and jambs to the outside are set at an angle of 30° to the plane of the north wall. I have given much thought to the cause of this, and suggest the following solution :—

1st. In the original plan, a building stood on the portion I have marked with red—probably the abode of a monk—from which the altar could be seen through the sloping window at C.

2nd. That the end at one time showed three sides of a hexagon in plan.

The east end having been faced with modern work, it became a question whether the blank arcade now restored continued the whole way across. At first I did not think it did; but, on careful examination, I found sufficient evidence to enable me to make up my mind that this arcade certainly existed. It has, therefore, been restored with the same sandstone as that used in the rest of the building.

In chancel wall at south side, there was a square modern window,† the sill and head being formed of old tombstones, date Ed. VI. At opposite side was a perfect round-headed ope;‡ this naturally gave the clue to the restoration of the ope on south side; and I have pleasure in stating, that amongst the rubbish near the building, several of the jambstones of the south ope were found and replaced in their original position.



At the north, the blank arcade at side of chancel has been restored.

Careful examination has shown that figure subjects were painted on the ceiling and walls of chancel, as well as diaper work in the panels of arcades.

The floor has been excavated to the original level, but no trace of tiling or other pavement has been found.

The two square windows at south side of nave are of comparatively modern date. My conviction is that the church originally had no windows in the nave at this side. I felt much disposed to block those which exist, but, owing to the light at the west end having been almost obscured by the subsequent structure of the cathedral, the want of the south windows would make the chapel nearly dark.

I also question whether changes in a building made at a date when these windows were inserted, as well as other changes from time to time, do not mark certain epochs in the history of the building, indicative of habits and customs, times of peace and war, which add a charm and tell a tale which a more perfect structure would fail to do.

* See drawings, Nos. 1, 2, 3, 4. † See drawing, No. 5. ‡ See drawing, No. 6.

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APPENDIX E.

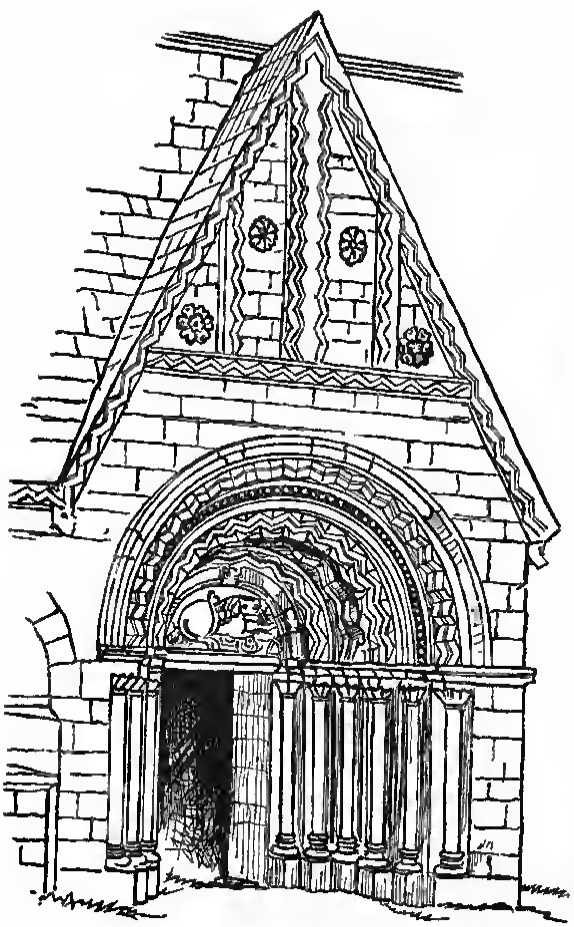
Report of Mr. T. N. Deane, on National Monuments and Ecclesiastical Ruins.

The west end has undergone a complete transformation, owing to the cathedral transept having been built against it.

Of the three windows which originally gave light to the chapel, but one is available. I removed some of the filling in of the other two, but failed to discover cut-stone, jambs, or other evidence which would guide me as to their original form. Nothing would be gained by opening these, as all light is obscured by the cathedral; they, therefore, remain blocked with masonry.

The western doorway was a modern innovation. Dean Cotton, to whom much is due for the preservation of the building, has written to this effect: that he found "a rugged hole in the wall" which he converted into a doorway. This door has been filled up.

My previous remark, that architectural changes are worthy of respect, may raise the question why I removed the modern work which obstructed the north doorway, and which was of more ancient date than the opening of the south windows. My answer is this work hid from view the inner jamb, moulds, capitals, &c., of the finest portal of the chapel. By its removal this grand doorway stands in its original condition.



Between the north tower and wall of cathedral there had been built a spandril wall of rough masonry; this has been removed, and its removal enables the side of the tower with its arcade to be seen.

The ashlar on the north side of tower has been removed from time to time. This I have had replaced.

* See drawing, No. 7.

The east doorway into the north tower was blocked up with modern masonry; this I have had removed.

The blank arcade and arches on south side have been repaired, and stones inserted in general masonry where requisite.

At the west end, on the side facing the transept of the cathedral, a curious arch has been discovered, springing from each side of the chapel,* spanning a recess eight inches deep in the centre, running to nothing at the sides. The character of the arch stones would indicate a date of about the thirteenth century, but it must have been made earlier as it passes behind the wall of the transept which was built about that period.

The staircase in south tower has been repaired and the ope at base of tower filled.

The external works consist of general pointing, which has been kept back from the face of the wall, thereby maintaining the ancient aspect of the building.

The whole of the stone roof had to be reset and pointed.

Iron gates and bars will be placed in the opes to prevent the clambering propensities of the public.

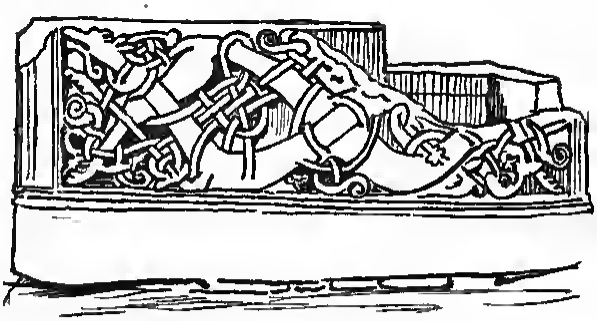
The Crofts.

These curious apartments deserve much attention.† There is no doubt that the inner skin of the roof is tuffa, not laid as corbelling, but forming an arch. Round the larger of the two rooms a flue runs communicating with an aperture which leads into the south tower. I have been unable to trace the commencement of this, but have little doubt that some means of heating the chamber was adopted, somewhat on the principle of the Roman hypocaust, and that the south tower formed the up-cast shaft for the smoke.

The following legend is extant:—St. Bernard having grown old, his brother monks feared that his austere habits would injure his health, and that he would die of cold in the chamber where he lived. Loving him well, they begged him to have a fire, which he stoutly refused. Whereupon they warmed his abode by lighting fires beneath the floor of his dwelling, and thereby comforted the old man without his knowledge.

Much has been done in the way of repair and replacing stones, the absence of which were likely to cause danger to the building. But, further than what has hitherto been mentioned, no works of restoration have been effected.

The Cathedral. (*See* "Petrie," page 305.) Cormac's tomb, in which was found the crozier now in the



Royal Irish Academy, was not in its original position. It may be assumed that it occupied a place in or near his chapel. The recess which was supposed to have contained it could never have done so, as the tomb is several inches too long. I have placed it at the west end of the chapel, more with a view to its protection from the weather, than from any settled idea as to where it originally stood.

† See drawings, Nos. 8 and 9.

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The Cathedral.

The general dimensions of the Cathedral are as follows :—

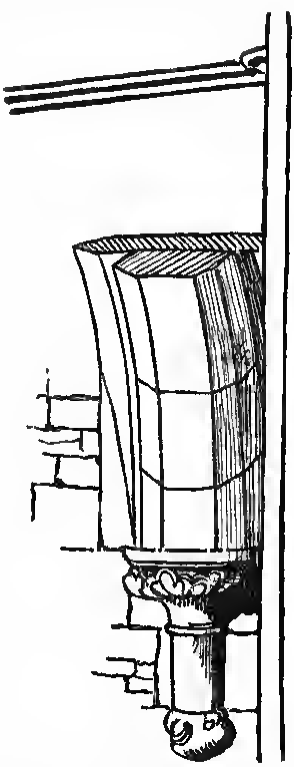
	Ft.	In.	
Length from east to west,	167	0	(internally).
do. north to south,	133	0	"
Width of nave and choir,	31	9	and 27 ft. 6 in.
do. transepts,	31	9	
Square of tower,	31	9	
Length of choir,	93	0	
do. nave,	42	0	
do. transepts,	50	7	
Height to gutters,	40	0	about.
Height to springing of tower arches,	21	6	

This magnificent church, with its surrounding buildings, forms, perhaps, the finest ecclesiastical structure to be found in Ireland. Placed on an eminence overlooking the plain of Tipperary, it is seen from far and near, and nothing can surpass the picturesqueness of the outline.

The buildings consist of—

Cormac's Chapel, date 1135.
The Cathedral Proper, 1260 to 1270.
The Bishop's Palace or Fortress, 1450.
The House of the Vicars-Choral, 1500.
The Enceinte and Bastion Towers, 1550.

Like nearly all the ecclesiastical buildings in Ireland, a restoration was effected late in the fourteenth century more or less of a military character. The eaves of the early English church were replaced by the embattled parapet; the long lancet windows were curtailed in length; the western end was converted into a strong fortress; and, finally, the whole was enclosed by a loop-holed wall.



What was the change in habits which caused the monks thus to protect themselves? Had luxury increased with advance of time, and was religion less pure and therefore less respected? Or was it, that, owing to the half-conquered condition of the Irish race, rapine spread itself through the land, and things hitherto held sacred attracted the avarice of contending factions? All these are questions worthy of consideration.

The final stroke which nearly destroyed this noble building was the removal of its roof about seventy years since. On this Vandalism I shall not comment.

At the west end of the nave many points of interest present themselves. 1st. The springers and corbels of arches in south and north walls near the piers of towers. Unusual though the position is, I have no doubt that these were the commencement of an arcade of arches across the nave which were to have supported the rood-loft. 2nd. That a side chapel, corresponding with the south porch*, projected on the north side. 3rd. That the pier and angle shafts at west end were a subsequent introduction, with a view to vaulting this end of the church on an intermediate level, so as to utilize the upper portion as an addition to the domestic portion of the building. At Mellifont Abbey, county Louth, the church is so divided, the lower portion being ecclesiastical, the upper domestic.

Passing from Cormac's chapel towards the east end, and continuing round the church the following works have been effected:—The tops of the walls have been grouted with cement concrete; ivy and large weeds removed; pointing to open joints; parapets secured and repaired; the gutter stones cleared of decaying vegetable matter, and pointed with cement; the filling of the lower portion of the lancet windows taken out (not the curtailing done in the fourteenth century); the large buttress secured; the sills of the east windows restored and the modern filling taken out for about three feet from sills; north side of choir similar works; opening of the trefoil windows over lancets; north transept side chapels restored, stones secured, and walls protected from the weather.

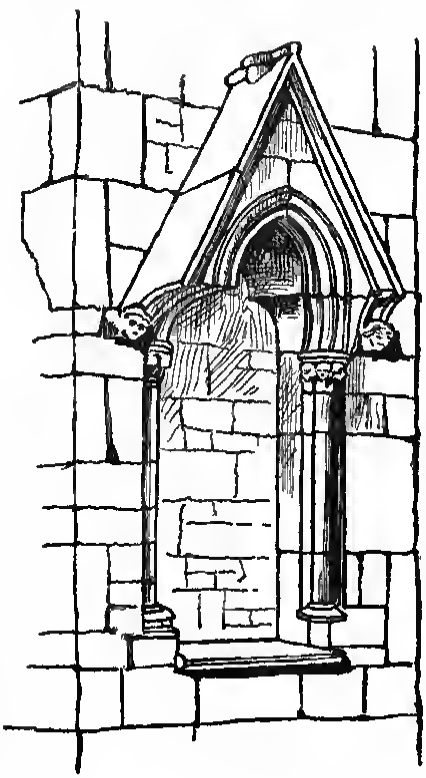
Round Tower.

The condition of this required careful attention. In a former report I have referred to the fact that the building has been battered by artillery; at about the level of the doorway there is evidence of this.

From top to bottom the tower required pointing, and the conical roof was in such a dilapidated condition that most of the stones required to be taken down and re-set. All these defects have been remedied.

The End of North Transept.

One buttress rebuilt and one canopy restored.



* See drawing, No. 10.

APPENDIX E.

Report of Mr. T. N. Deane, on National Monuments and Ecclesiastical Ruins.

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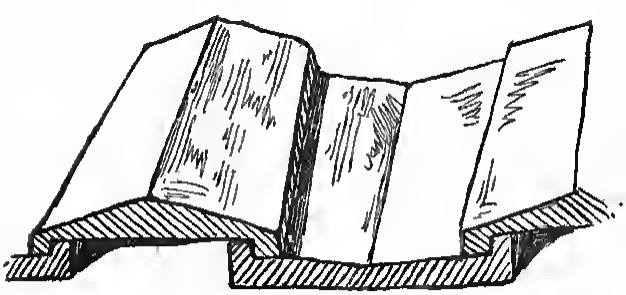
APPENDIX E.

Report of Mr. T. N. Deane, on National Monuments and Ecclesiastical Ruins.

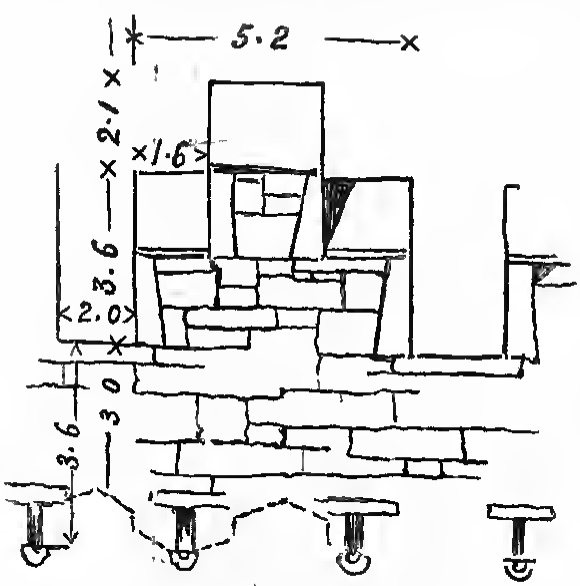
These canopies deserve particular attention, and are of beautiful design. In the Chapter House at Salisbury something of the same kind may be seen. See sketch.

The barge course has been secured. The gutters generally have been repaired; they are of the usual type in Irish churches, alternate stones overlapping each other, the intermediate one being hollowed to discharge the water, the side ones convex to allow the water to run into the intermediate one.

There are evidences of three distinct dates of roof, 13th, 14th, and 16th centuries. I have no doubt that the ceilings were flat, and of timber. On the north wall of nave the stepped battlements have been repaired, and necessary stones restored. These battlements are now perfect, and are a fair example of this picturesque finish to a wall. In other places the rugged outline has been retained, and the wall grouted with cement concrete. It is worthy of note that these battlements were never entirely built of cut stone, but were constructed as in sketch, thereby carrying up the rough face of the masonry to the summit of the building.



In some modern imitations of this characteristic battlement the error has been run into of chiselling the whole from the corbelling up, which is not only contrary to the ancient Irish custom, but destructive to the appearance of the building.



* See also drawing, No. 10.

The whole of the upper portion of the walls of nave, from the tower to the fortress is, in my opinion, of the date of the latter; I am also disposed to think that the western wall of the Cathedral is not in its original position, and that the nave was prolonged beyond the sites of the south porch* and chapel at north side. See plan.

This is evidenced by the masonry at north-side, for some height, being out of line with the superstructure of the domestic portion.

The Vicars' Hall.

I have recommended a restoration of this building, the reasons for which have been put before the Board. It is of late date, part as modern as the 17th century. Its insulated position, together with its domestic character, mark it as capable of complete restoration without clashing with the ecclesiastical buildings which are essentially ruins and should now remain so.

The surrounding wall has been rebuilt, and although coped with a plain saddle backed coping in long lengths (not in my opinion in accordance with what originally existed), still I cannot help thinking that the long line of wall forms a pleasing contrast with the rugged outline of the other buildings.

At the south-west angle is a bastion tower, the parapets of which I have coped with stepped battlements similar to those which it originally had.

The works were placed in my hands on the 12th day of March 1875. The following has been the cost from the commencement to 12th of March, 1876.

	£	s	d.
Cost of works prior to my superintendence,	1,478	1	11
Cost from March 12th, 1875, to March 12th, 1876, ...	839	4	7
	2,317	6	6

GLENDALOUGH.

The works here have been some time in progress. The first church that has been commenced was Trinity Church. The walls were in a most dilapidated condition, and the growth of trees had nearly ruined the masonry.—The interior has been cleared, and the surrounding ground freed from rubbish.

The arch and jamb stones of the south porch have all been discovered and put into their places; also the jambs and arch of the small windows at the west end.

The original steps approaching this church from the higher ground exist, and will again form the means of access.

The boundary fence has been repaired and the walls made secure.

The gable over chancel arch required great care in its restoration, as it was in a very critical position and on the verge of falling.†

St. Savior's Priory.

This church, which contained more of architectural detail than any of the others, has been taken in hand. Trees have been removed—rubbish from the interior taken away, and the fence is in progress of restoration. The Norman chancel arch which fell years ago, and of which a few stones remained, I purpose to restore, having found nearly all the ring stones amongst the rubbish.

These comprise all that has been undertaken at Glendalough up to the present. The work is in full progress and will be completed in about six months.

The total cost up to March 11th, 1876, has been £120 10*s.* 3*d.*

† See drawing, No. 11.

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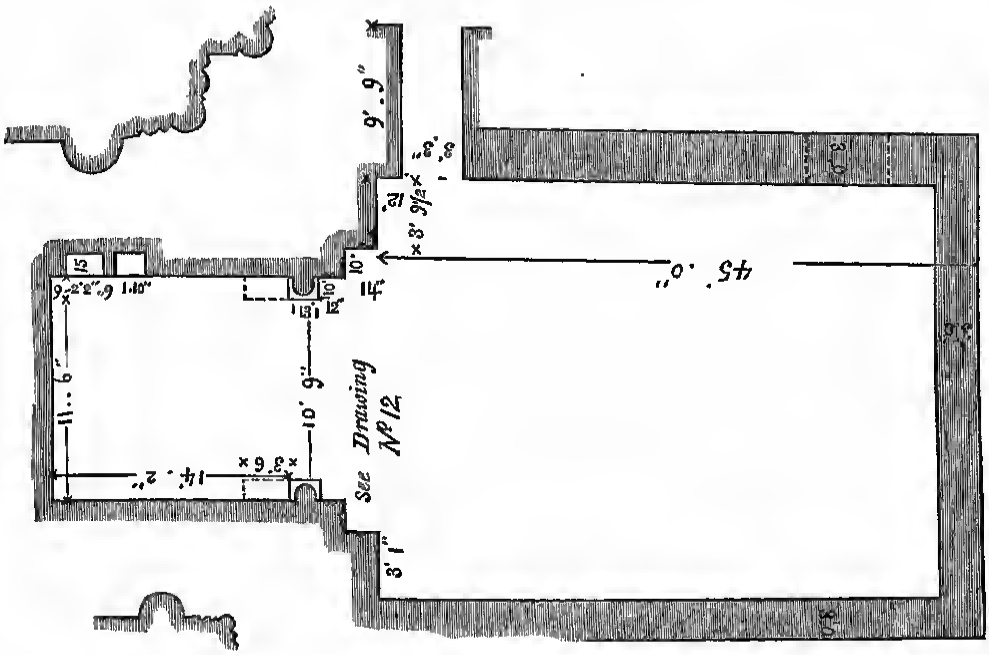
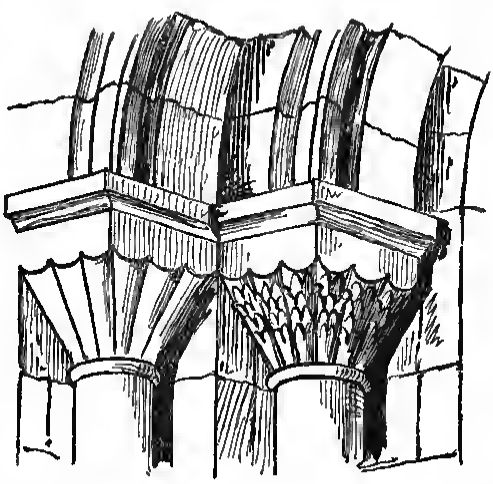


E

ARDMORE CATHEDRAL AND ROUND TOWER.

The works in connection with these monuments are complete.

The round tower, the highest and most perfect in Ireland, was in a dangerous condition. The conical top and upper story had apparently been struck by lightning. The portions have been taken down, the stones numbered and re-used. The tower pointed in cement, and the timber floors (modern) repaired.



The cathedral church has undergone repair. The walls grouted with cement concrete, the quoin of south angle rebuilt, the curious sculpture at west end secured in its position, and one of the missing figures which was found in the debris at foot of tower placed where it originally stood. The modern filling of north doorway taken away and the ancient arch-stones, which here again were found complete, restored to their positions.

The chancel arch has been secured from danger of falling and the sedilia restored.*

The graveyard, as far as practicable, has been levelled. A caretaker has been appointed and provision made for maintaining the ruin in a decent condition. The total cost has been £359 5s. 10d.

ARDFERT, COUNTY KERRY.

Works have been commenced here; but there has not been sufficient progress made, to enable me to report progress.

Owing to the difficulty of obtaining men skilled in the peculiar work required to be done in repairing these ancient buildings, it has been thought desirable to take them in rotation, rather than simultaneously. The workmen acquire skill, and can then be transferred from place to place.

I trust I may not be travelling out of my duties as superintendent of national monuments, if I direct attention to the importance of enlarging the list of buildings now under the direction of Government. There are numbers all over the country which I pass with regret at my inability of doing anything to prevent them falling to utter ruin.

There are many round towers and churches worthy of preservation which could be brought under the category of "national monuments," and which, a few pounds judiciously expended upon, would save for centuries. Amongst these I would enumerate Hoar Abbey, Cashel, Inniscaltra, Lough Derg, Kilmacduagh, county Galway, and many others. Clonmacnoise is not at present included in the list, and there is no ruin in Ireland that ought to take precedence of it as worthy of preservation.

* See drawings, Nos. 13 and 14.

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NATIONAL MONUMENTS AND ECCLESIASTICAL RUINS.

Drawings referred to in preceding Report.

CASHEL, ...	Drawings	1–11
GLENDALOUGH, ...	„	1, 2
ARDMORE, ...	„	1, 2

Dublin: Printed by Alexander Thom, 87 & 88, Abbey-street,
Printer to the Queen's Most Excellent Majesty.
For Her Majesty's Stationery Office.

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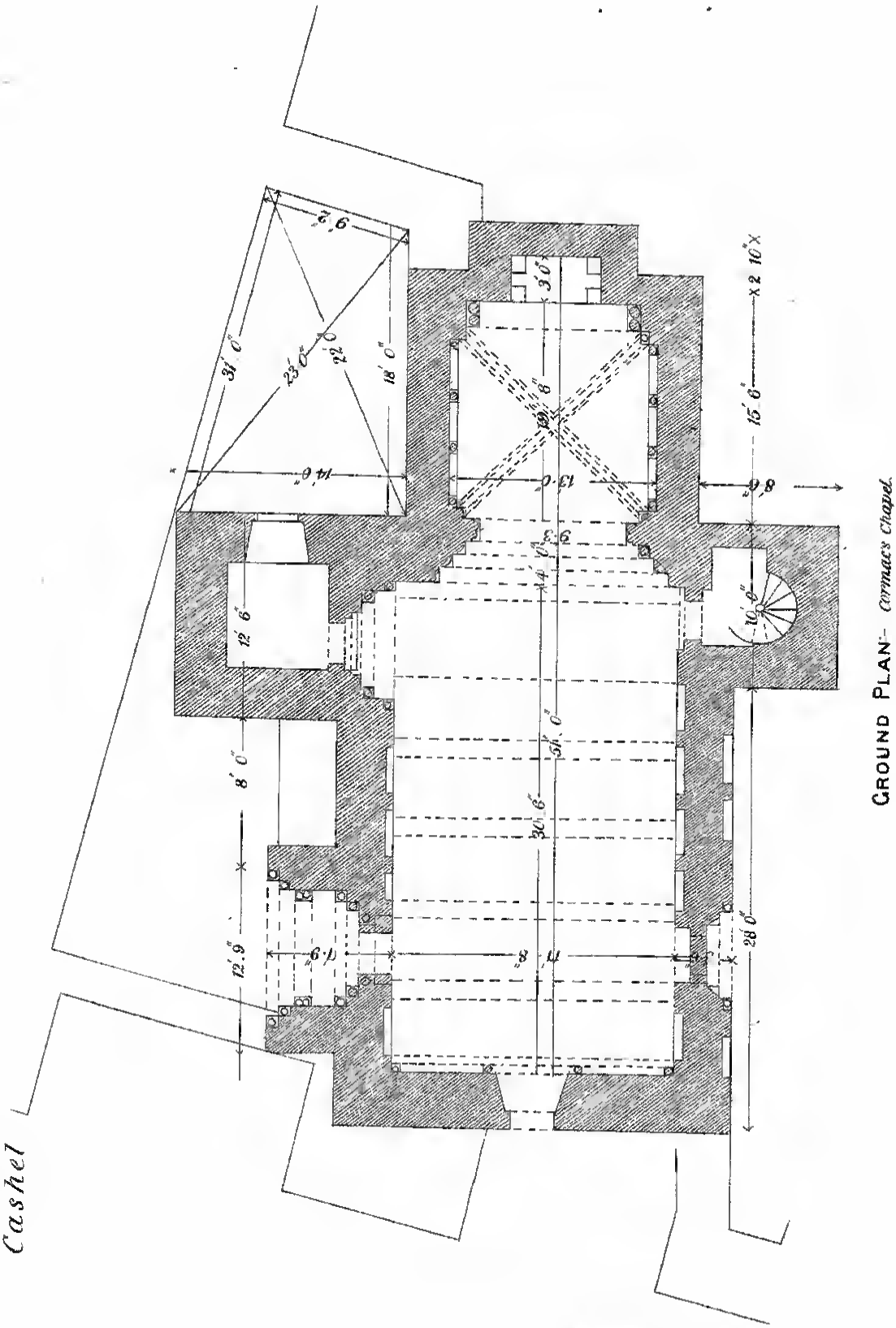
ROCK OF CASHEL. *Drawing. No. 1.*



GROUND PLAN- *Cormac's Chapel.*

FROM R.S.A. LITHOGRAPHED AND PRINTED DUBLIN

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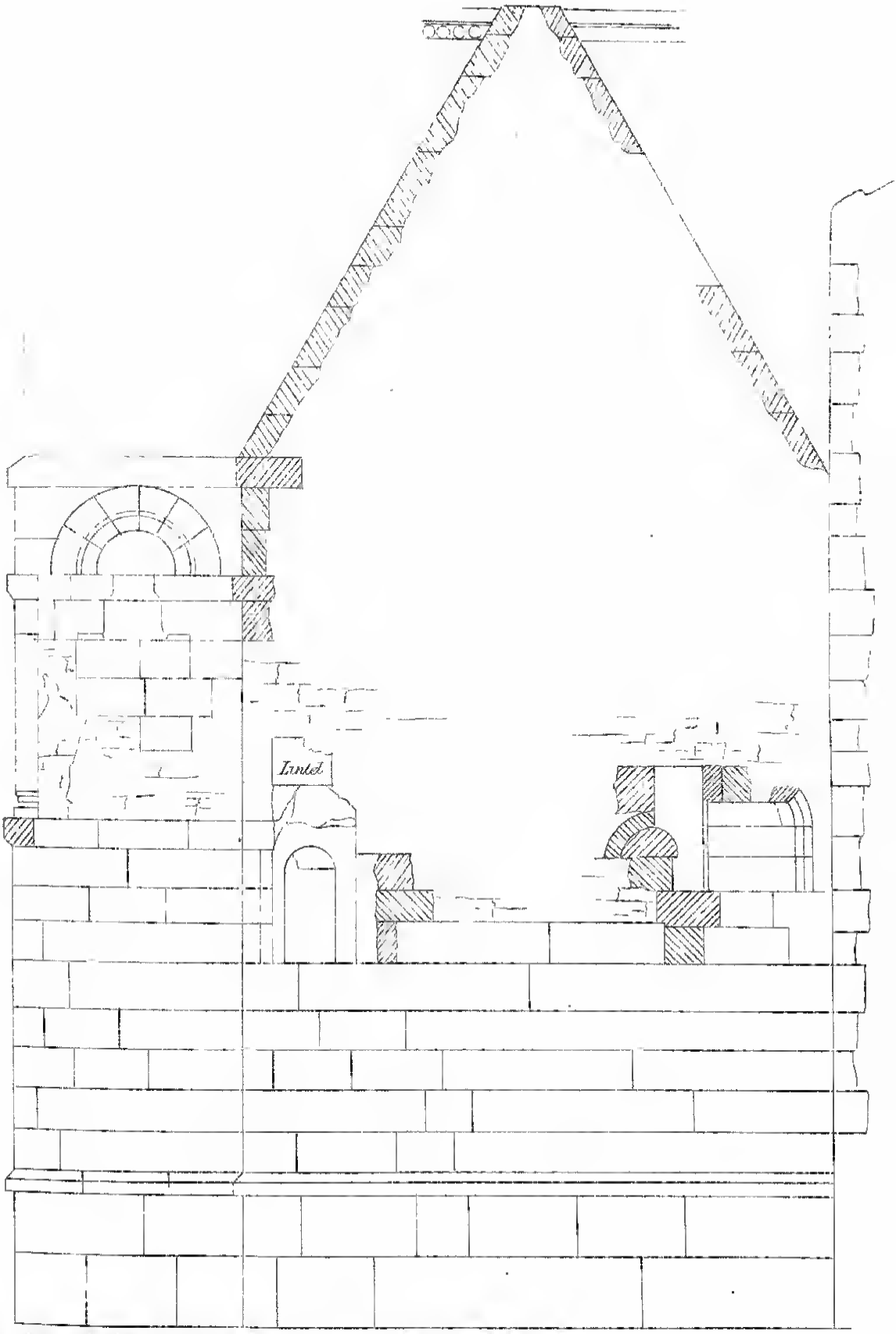
Drawing No. 2

CASHEL



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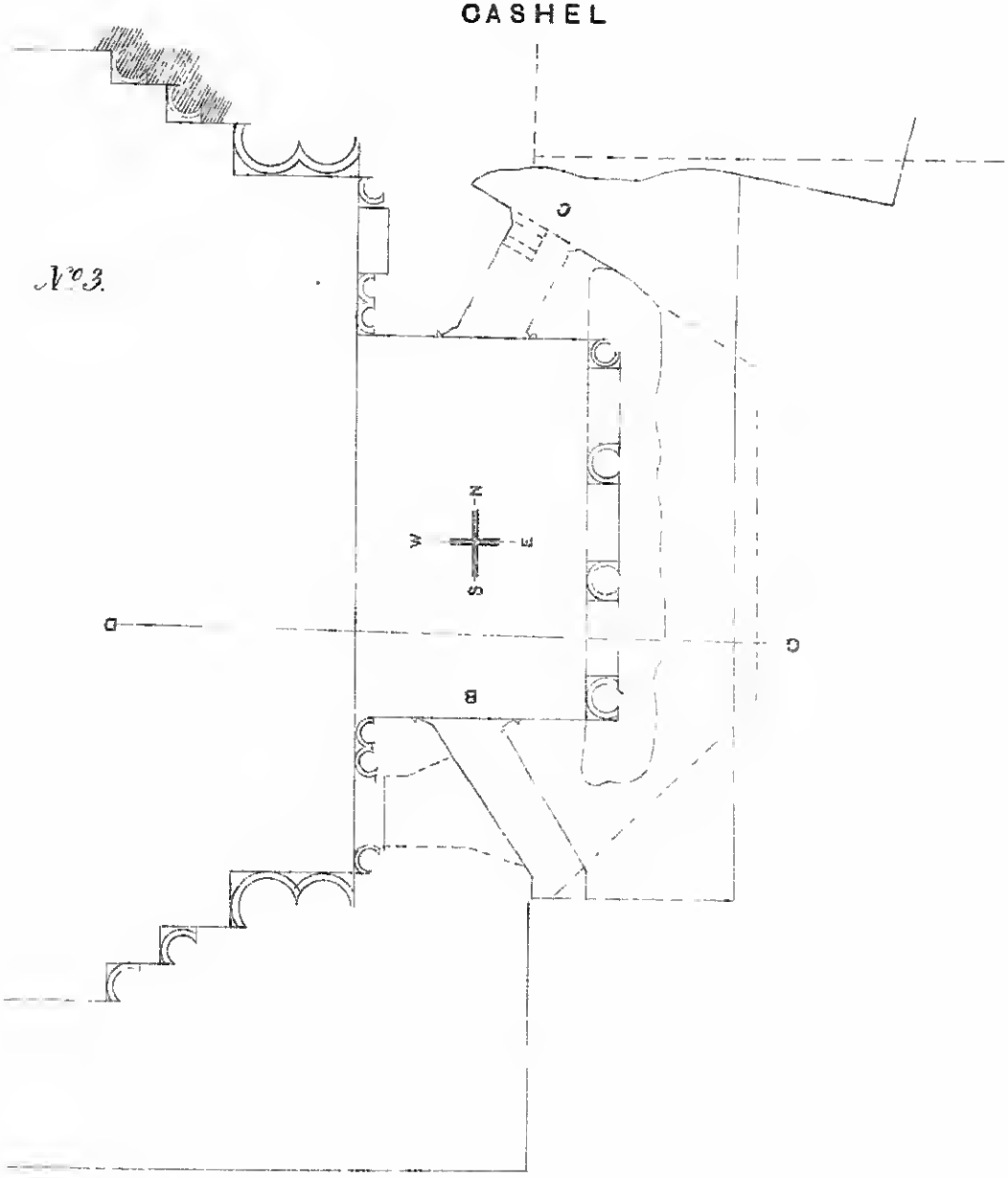
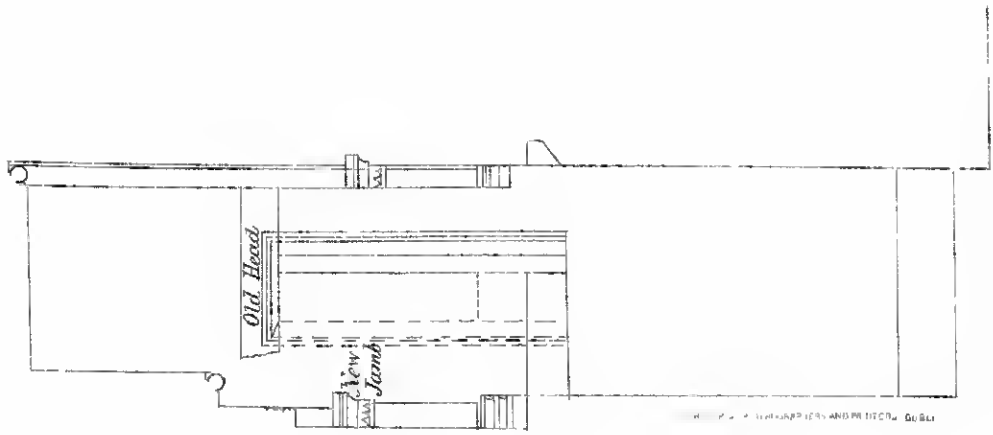
CASHEL

No. 3.





SECTION ON LINE C.D. LOOKING. S.

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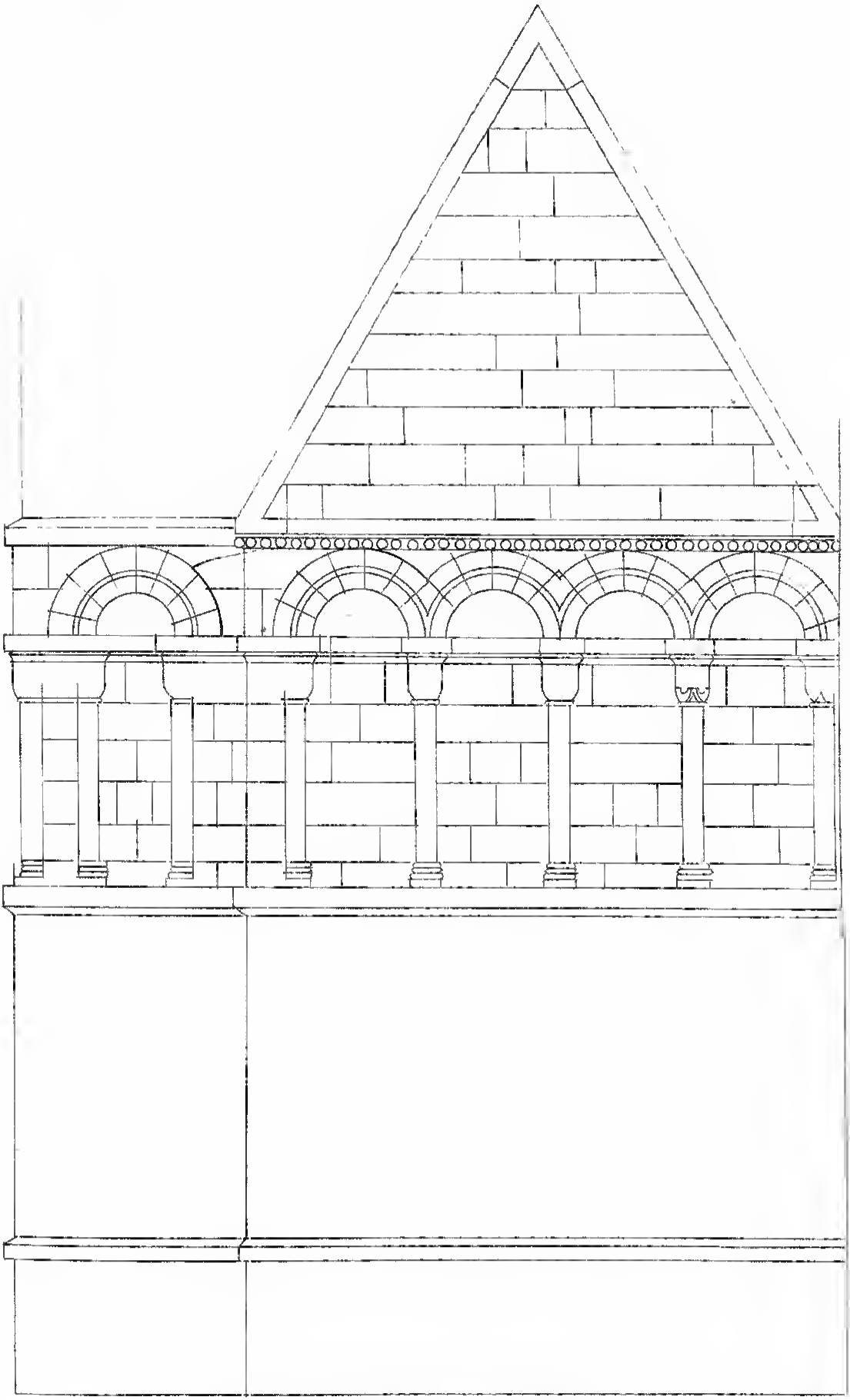
Drawing No. 4.

CASHEL



EAST END ELEVATION OF CHOIR *Restored*

½ inch Scale

...SIER & CO LITHOGRAPHERS AND PRINTERS DUBLIN

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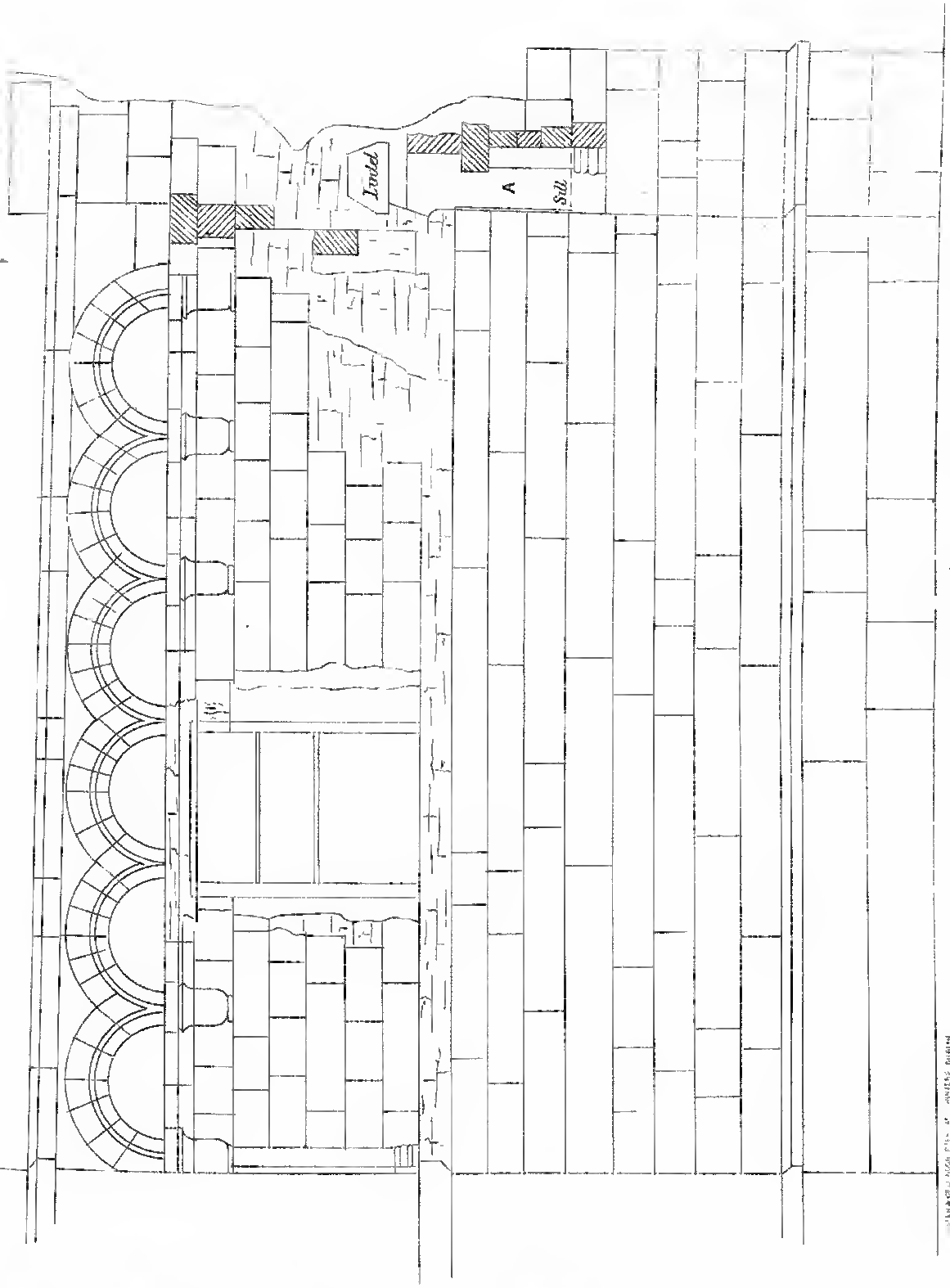
CASHEL



Drawing N.º 5.

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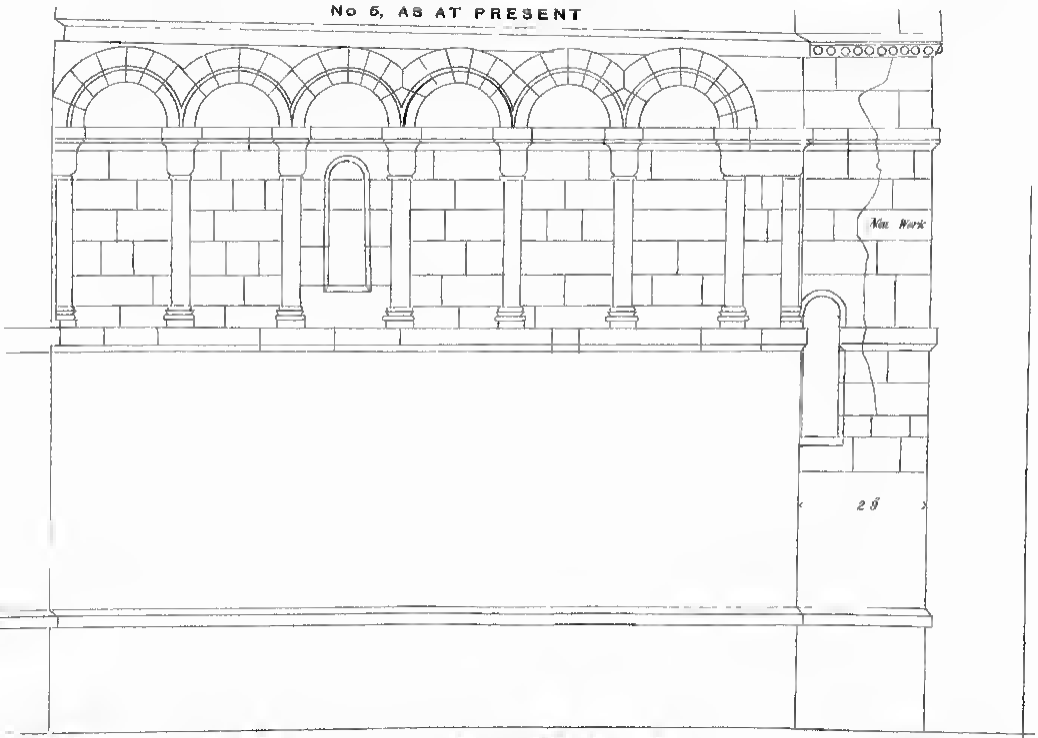

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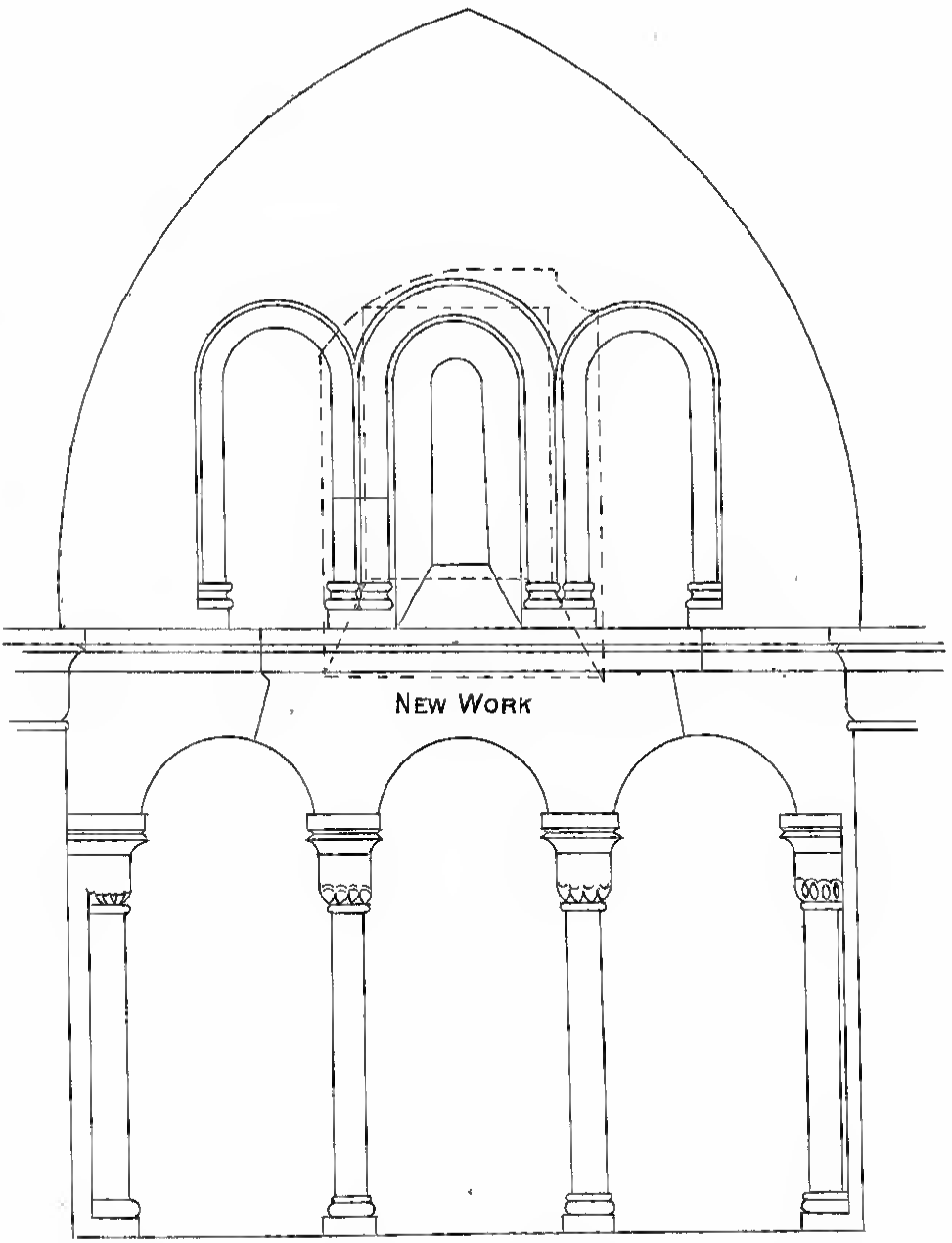
Drawing N°6

CASHEL.



INTERIOR ELEVATION OF NORTH SIDE OF SANCTUARY

Dotted lines show the modern window on S side

Scale ¼ an inch to a foot

FORBES & CO. LITHOGRAPHERS AND PRINTERS DUBLIN

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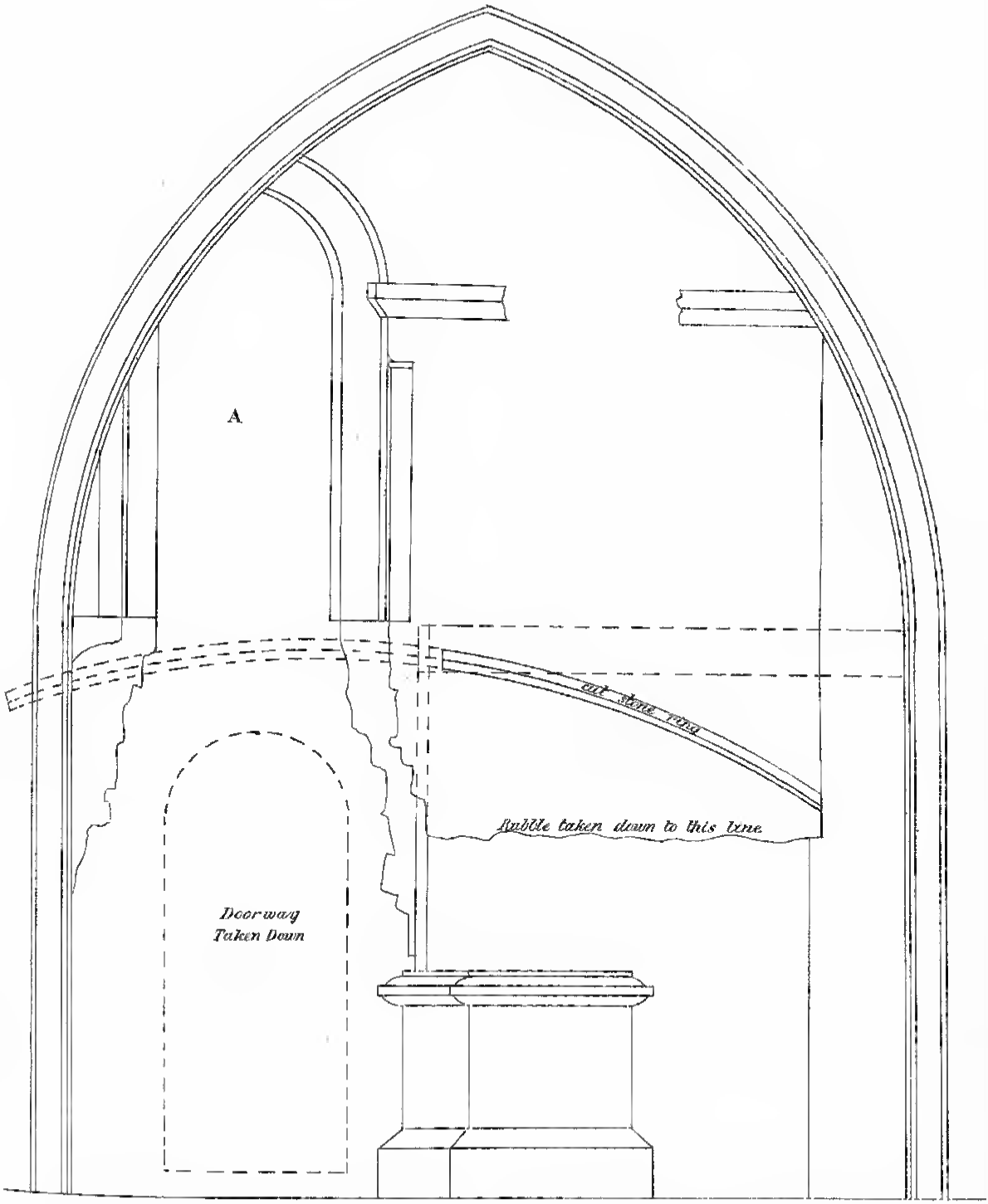
CASHEL.

Drawing No 7



ELEVATION OF ARCH IN CATHEDRAL AND WEST END OF CORMAC'S CHAPEL

Scale ½ an inch to a foot

24 (R.H.S.I.) PHOTOGRAPHERS AND PRINTERS DUBLIN

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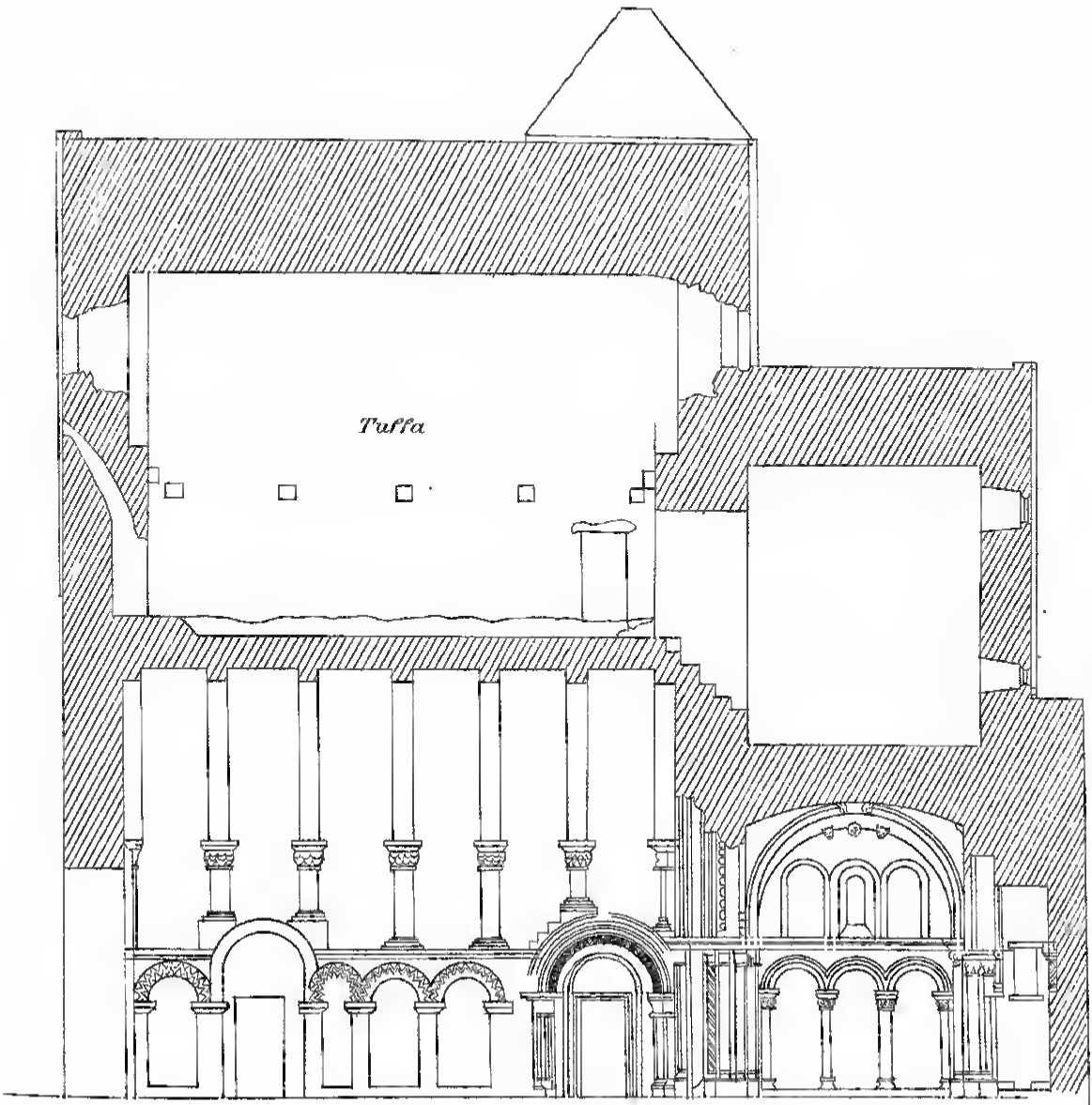
Drawing N°8

CASHEL.



LONGITUDINAL SECTION . NORTH.

FORSTER & CO LITHOGRAPHERS 10 PRINTING HOUSE DUBLIN

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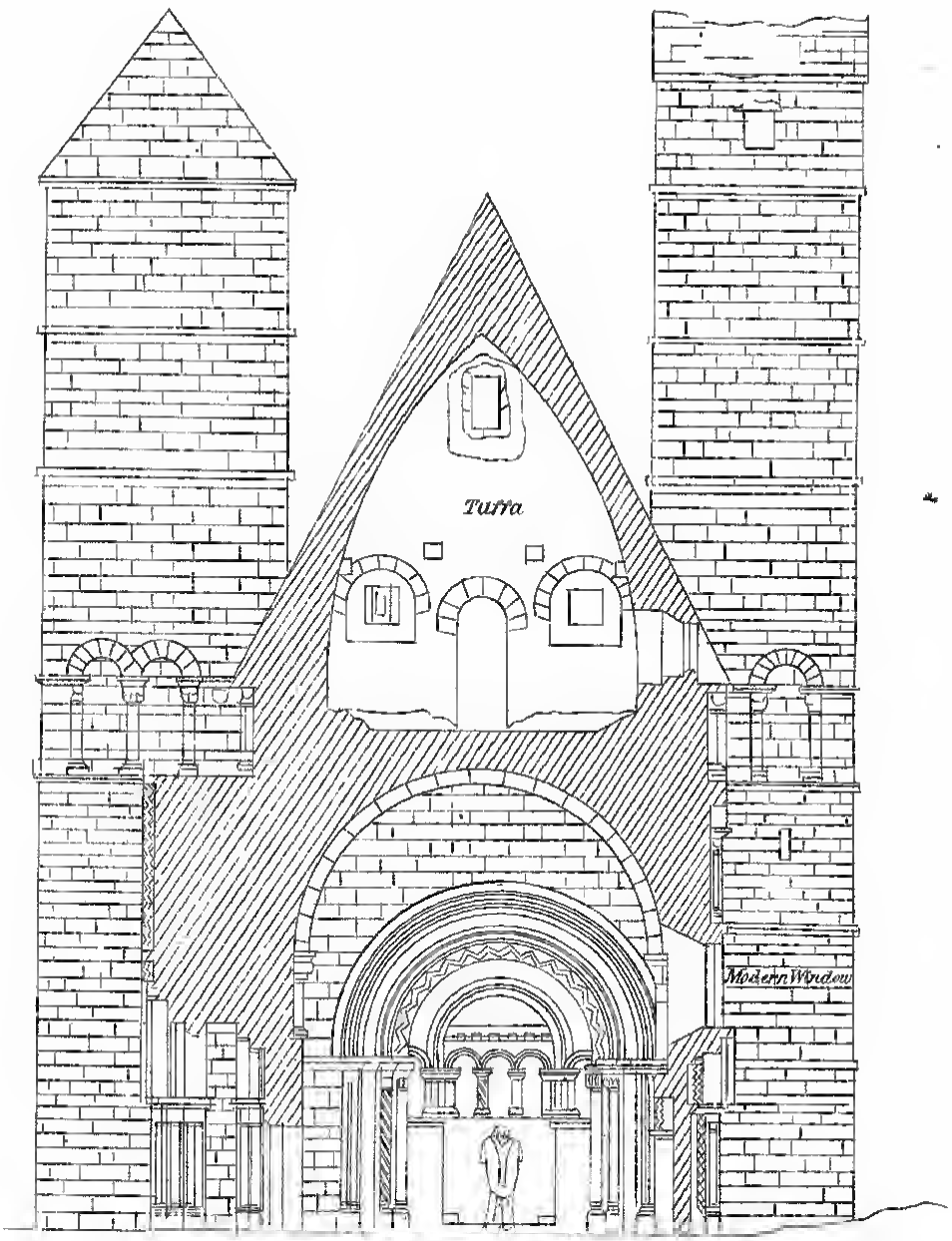
Drawing N°9

CASHEL.



FORSTER & LOCL THOGRAPHERS AND PRINTERS DUBLIN

TRANSVERSE SECTION EAST

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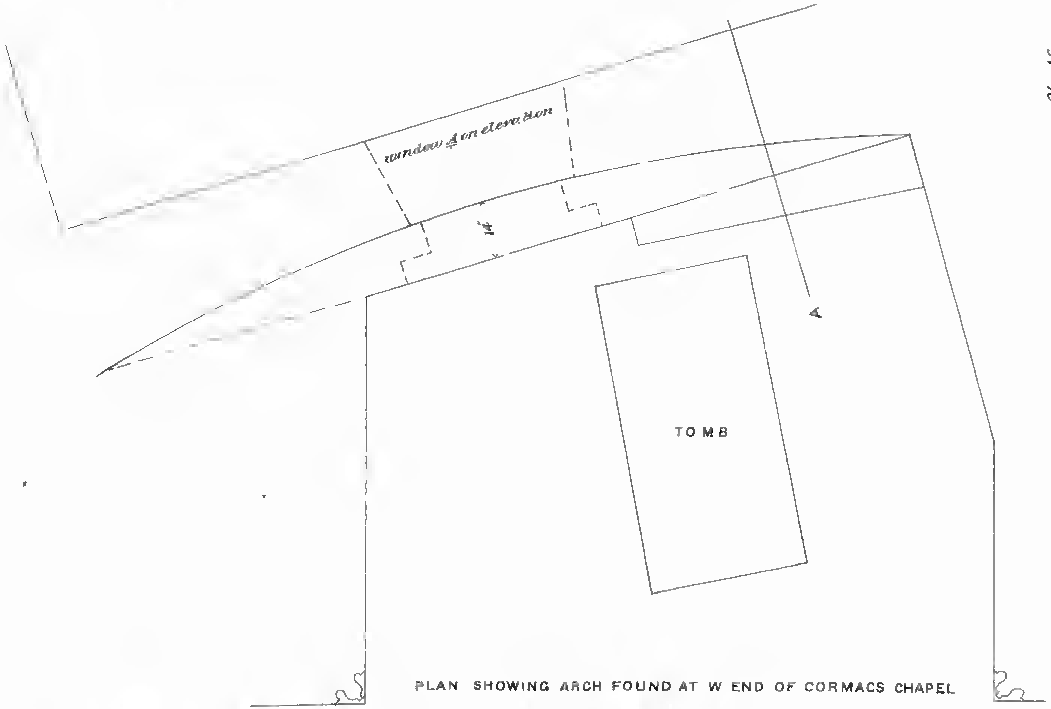
No. 10

CASHEL



PLAN SHOWING ARCH FOUND AT W END OF CORMACS CHAPEL

Scale ¼ an inch to a foot

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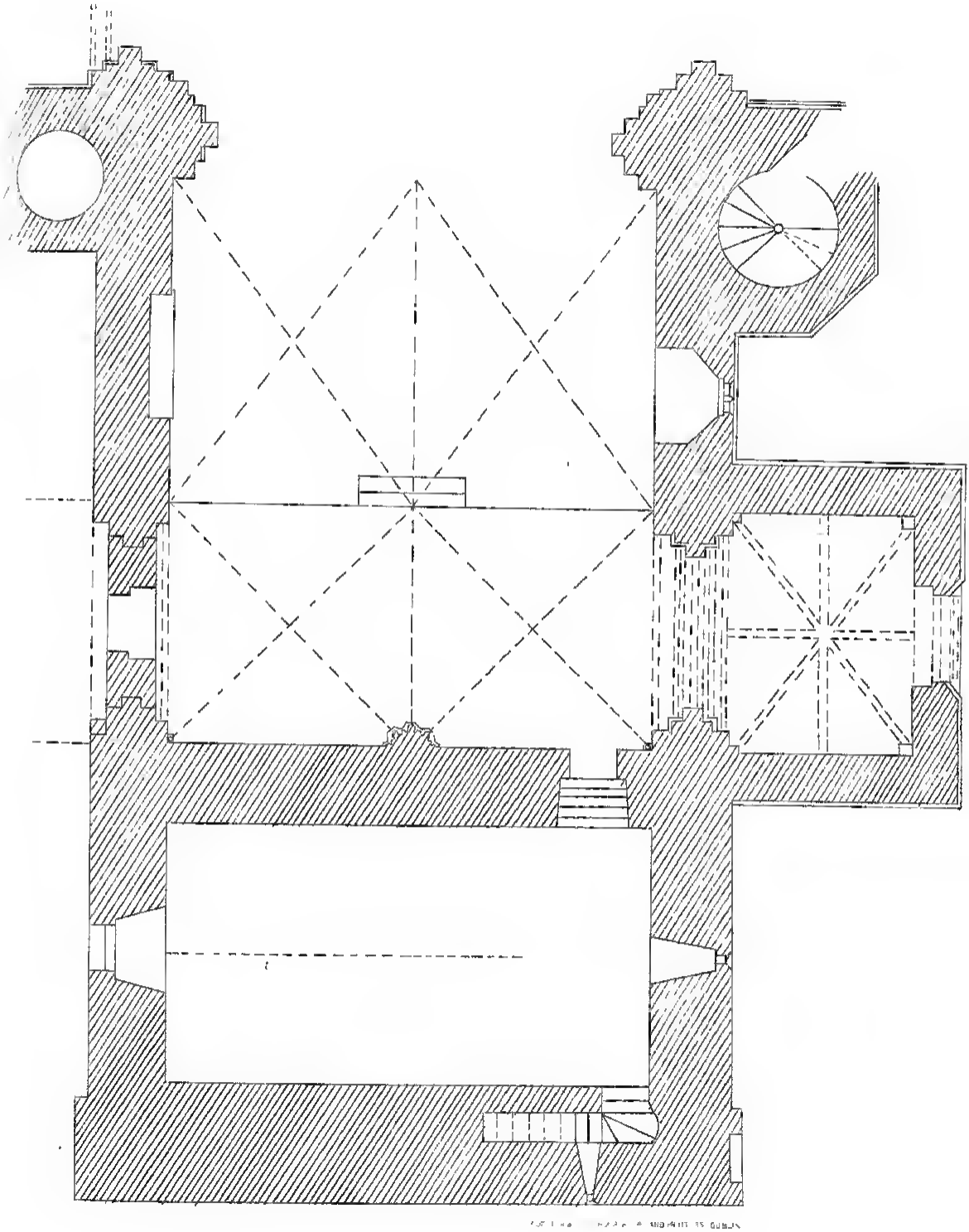
Drawing No 11

CASHEL.



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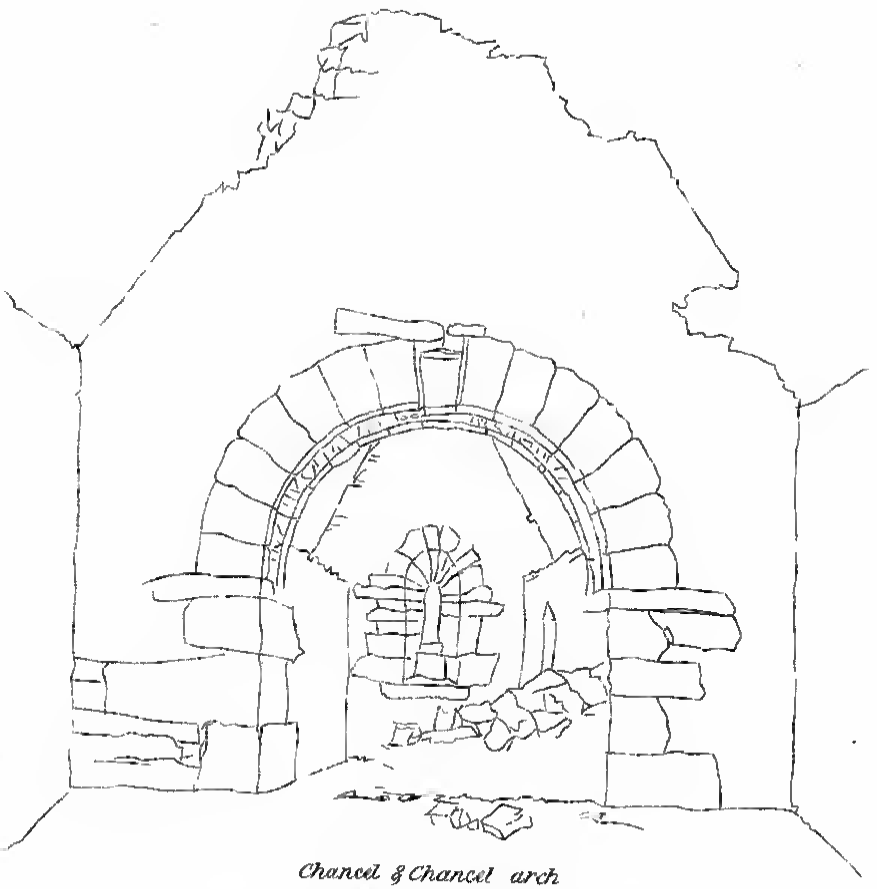
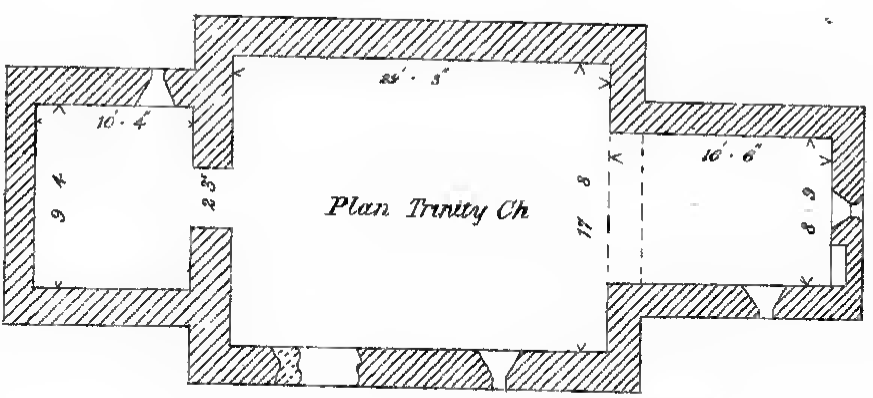
Drawing No. 1

GLENDALOUGH.



Chancel & Chancel arch
Trinity Church



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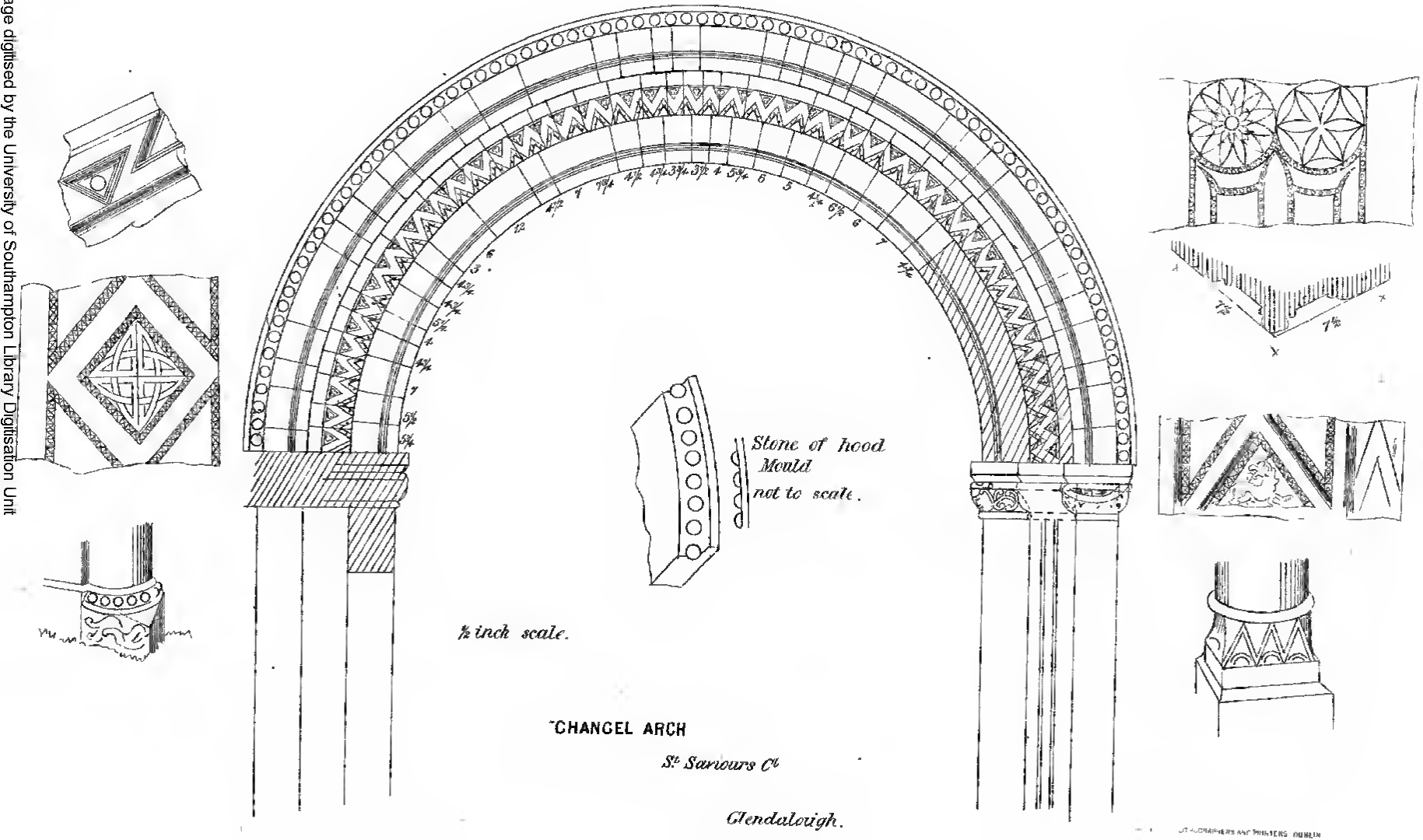
Drawing No. 2

GLENDALOUGH.



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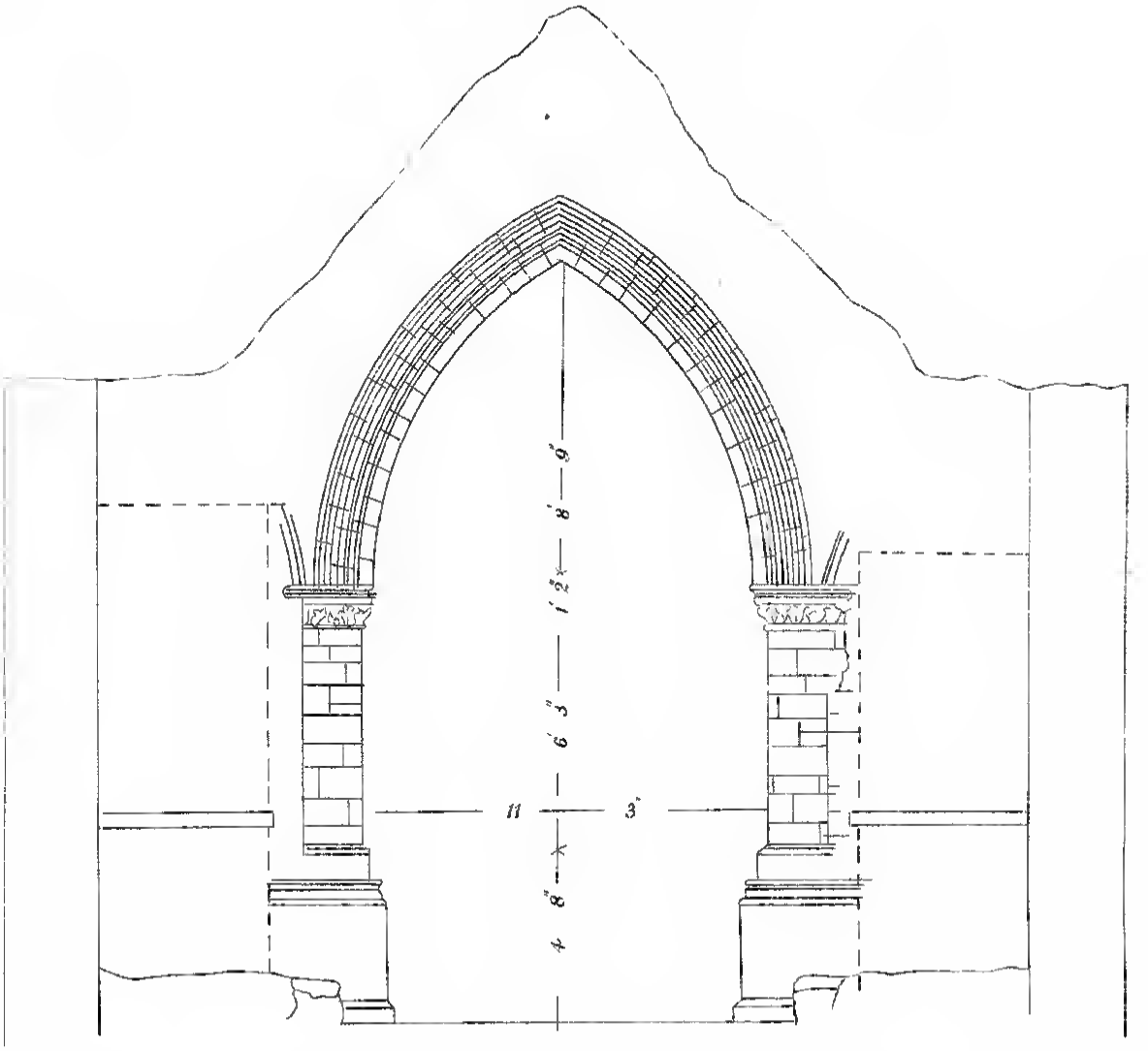
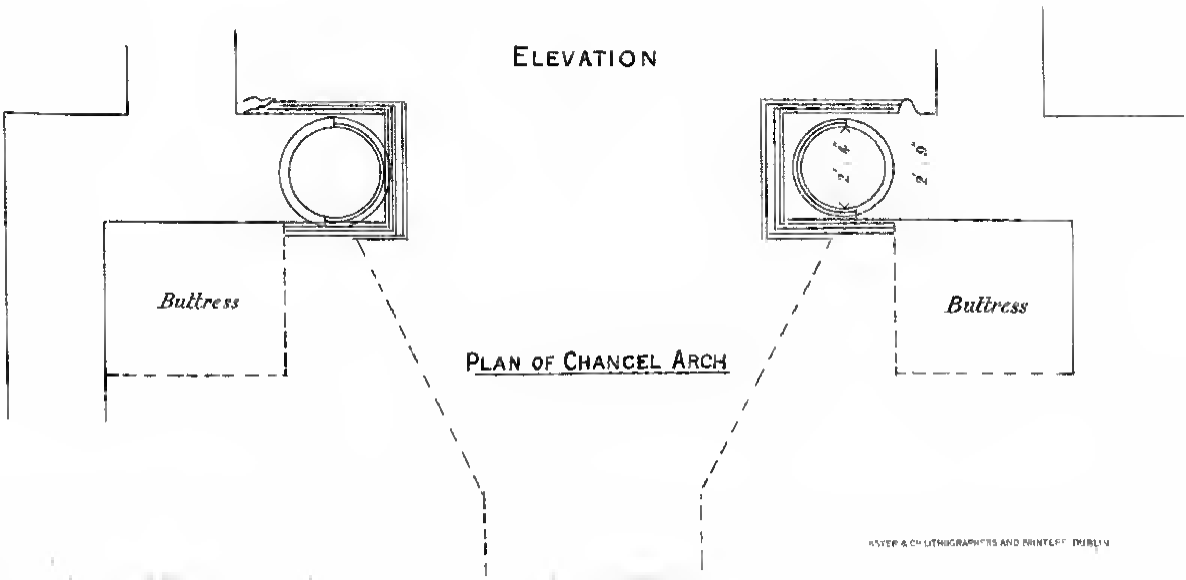
ARDMORE No. 1.



ELEVATION



PLAN OF CHANCEL ARCH

ASTEP & CO LITHOGRAPHERS AND PRINTERS DUBLIN

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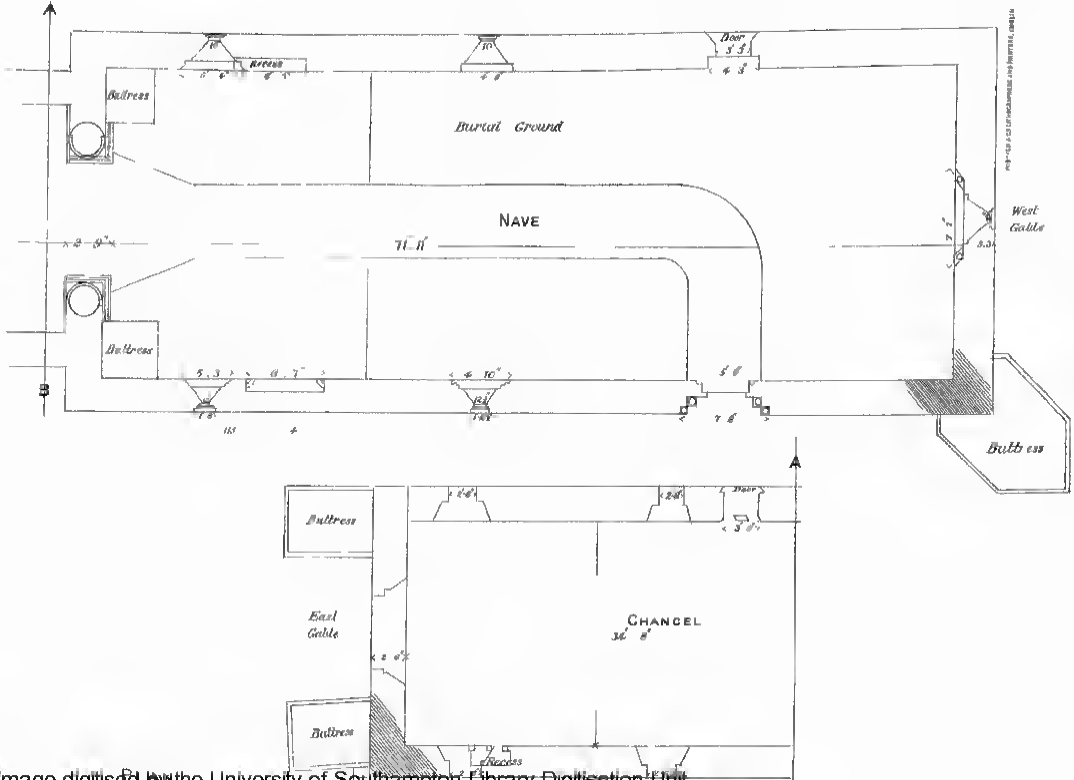
ARDMORE No. 2



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